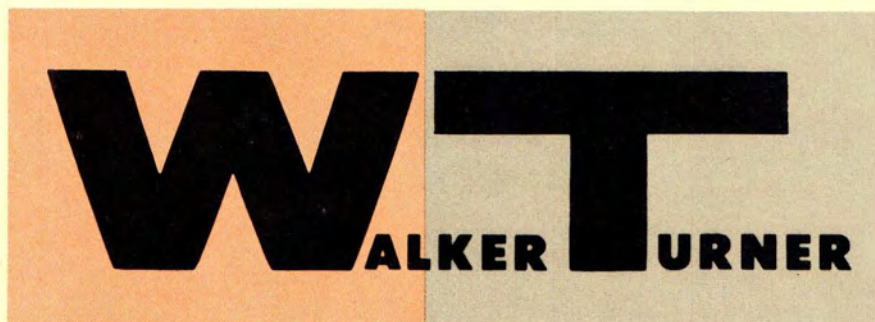




LIGHT-HEAVYWEIGHT MACHINE TOOLS

sold by:



**WALKER-TURNER DIVISION
ROCKWELL MANUFACTURING COMPANY**

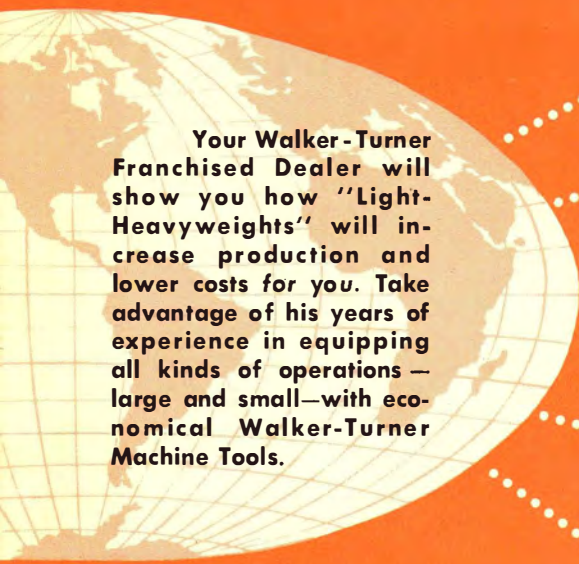
400 N. LEXINGTON AVENUE

PITTSBURGH 8, PENNSYLVANIA

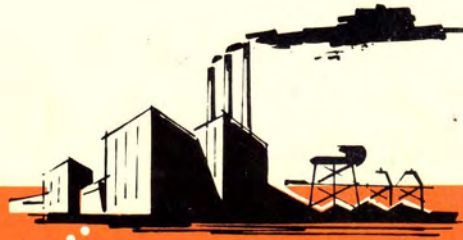
famous

WALKER-TURNER MACHINE TOOLS

**have proven their superiority in
thousands of applications
throughout the world**



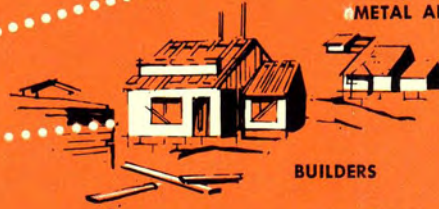
Your Walker-Turner Franchised Dealer will show you how "Light-Heavyweights" will increase production and lower costs for you. Take advantage of his years of experience in equipping all kinds of operations — large and small — with economical Walker-Turner Machine Tools.



MANUFACTURERS



METAL AND WOODWORKING SHOPS



BUILDERS



LUMBER YARDS



HOME WORKSHOPS



SCHOOLS

The right is reserved to make changes in design or equipment of any item, without incurring any obligation to make such changes on machines previously sold, and to discontinue models of machines, motors or accessories at any time without notice.



WALKER-TURNER

DIVISION



Rockwell MANUFACTURING COMPANY • Pittsburgh 8, Pennsylvania

YOU get all these advantages

with every

WALKER-TURNER

MACHINE TOOL...

1

LOWER COSTS!

Rugged, economical Walker-Turner Machine Tools replace expensive fixed machinery often saving as much as 500% per unit. Low operating costs plus a long record of trouble free operation assure continuous savings.

2

INCREASED PRODUCTION!

Machine operators will increase output on Walker-Turner Machines because of their simplicity of set-up and operation. Convenient controls add to operator comfort . . . reduce fatigue . . . speed up production.

3

PRECISION ACCURACY!

Walker-Turner "Light-Heavyweight" Machine Tools are precision engineered for accurate operation . . . ruggedly built to maintain their accuracy through years of continuous service.

4

GREATER VERSATILITY!

Every Walker-Turner Tool is designed to perform many operations accurately and quickly. In addition, specialized set-ups are easy using Walker-Turner basic machine components.

5

EXTRA CONVENIENCE!

Move compact, portable Walker-Turner "Light-Heavyweights" right to the job . . . in and out of the production line as required. This means reduced material handling, increased production and more efficient use of floor space.

6

ADDITIONAL SAFETY!

Advanced safety features are built into every Walker-Turner Machine Tool for added operator protection. This safety engineered construction makes them excellent machines for student or trainee instruction.

I N D E X

ACCESSORIES (GENERAL).....	45
BAND SAWS	
16" Band Saws.....	34-35
14" Band Saws.....	36-37
BELT AND DISC SURFACER.....	44
CIRCULAR SAWS	
14" Tilting Arbor Saws.....	26-27
10" Tilting Arbor Saws.....	28-29
CUT-OFF MACHINES.....	24-25
DRILL PRESSES	
15" Drill Presses.....	4-9
20" Drill Presses.....	10-13
Radial Drill Presses.....	14-15
Drill Press Accessories.....	16-17

GRINDERS	
Surface Grinders.....	18-19
7" Standard Grinders.....	20
6" Tool Grinders.....	21
6" Bench Grinder.....	22
Grinder Accessories.....	22-23
JOINTER.....	30-31
LATHES	
12" Variable Speed Lathe.....	38-39
12" Four Speed Lathe.....	40
Lathe Accessories.....	41
MOTORS, SWITCHES, ELECTRICALS.....	46
SCROLL SAW.....	32-33
SPINDLE SHAPER.....	42-43

WALKER TURNER

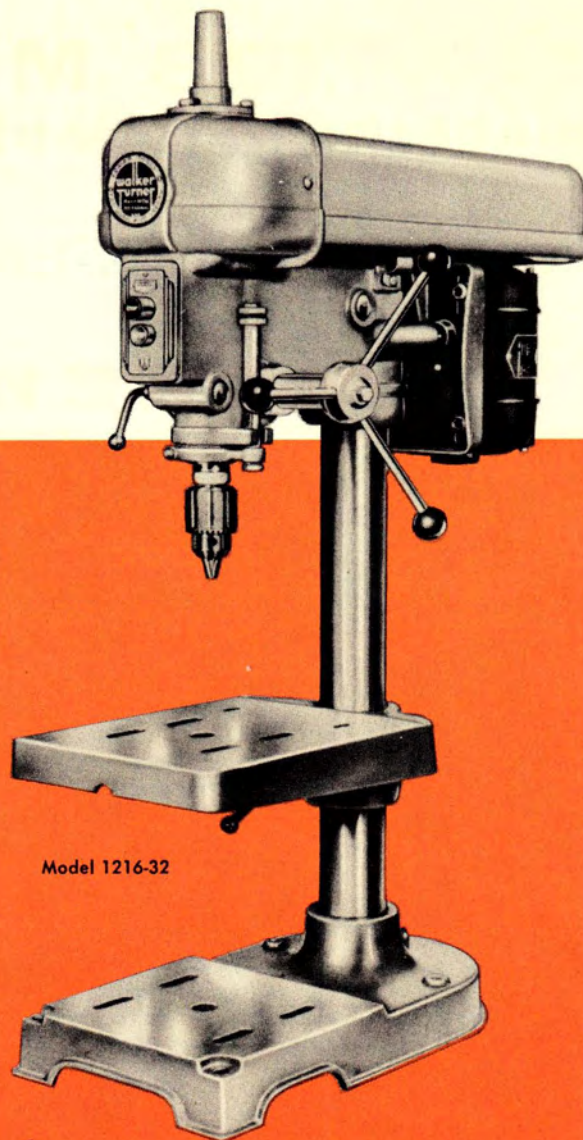
4-1/4" TRAVEL 15" DRILL PRESSES

Here is "proven by performance" superiority! Years of accurate, trouble-free operation throughout industry and in large and small shops, schools and better home workshops attest to the widespread popularity of these "Light-Heavyweights."

A wide speed range in high or slow speed models makes the Walker-Turner 4 1/4" Travel, 15" Drill Press excellent for drilling metals, woods, or plastics—and for mortising, reaming, grinding, sanding, routing and many other operations. Quickly interchangeable spindle assemblies and Walker-Turner 100% pneumatic Air Feed Attachments (available as accessories) provide even more versatility.

Select from deluxe, floor, bench, single or multiple spindle models fully equipped with the production features you want. A total of 54 models in all! For special applications and additional economy, standard models (without belt guards and push button switches) are also available.

Let these rugged "Light-Heavyweights" start paying for themselves in your shop! Use them for faster production, lower costs and increased profits throughout your operation!



Model 1216-32

BENCH MODELS

Available with utility table and No. 1 or No. 2 Morse Taper or 1/2" Key Chuck Spindle.

- No. 1 or No. 2 Morse Taper and 1/2" Key Chuck Spindle Assemblies are available and may be quickly interchanged for extra versatility.
- Tilting Table with graduated scale is available as an accessory.
- Ring bumper cushions shock between head and stop rod collar.
- All tables and bases have carefully ground work surfaces.
- Motor plate readily adjusts for belt changes and proper belt tension.
- Can be equipped with Walker-Turner Air Feed for economical 100% pneumatic operation.

SPECIFICATIONS

Column to Center of Drill.....	7-1/2"
OVERALL DIMENSIONS	
Floor Model	
Height	70"
Width	20-1/2"
Front to rear.....	29"
Bench Model	
Height	42"
Width	11-1/4"
Front to rear.....	28"
CAPACITIES	
Key Chuck	0 - 1/2"
Dia. Hole in cast iron.....	1/2"
Dia. Hole in steel.....	3/8"
QUILL	
Stroke	4-1/4"
Diameter	1-13/16"

SPINDLE SPEED

W/1725 RPM Motor	
W/high speed head pulley	600, 1250, 2240, 5000 RPM
W/slow speed head pulley	480, 940, 1300, 2900 RPM

COLUMN

Diameter	2-3/4"
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TABLE WORKING SURFACE

Floor Model Production Table.....	10 x 12"
Utility Table	12-1/4 x 10"
Tilting Table	10 x 10"

BASE WORKING SURFACE

Floor Models	9 x 11"
Bench Models	9 x 9-1/8"
Production Models (single spindle)	14-1/2 x 16"

another  product

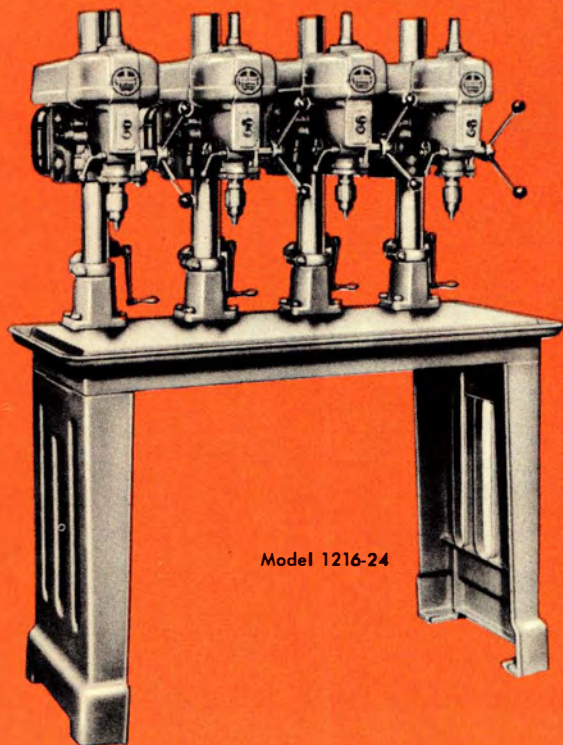
108 MODELS...

select the right set-up for your operation

Walker-Turner 4 1/4" Travel, 15" Drill Presses are available in 54 deluxe floor, production and bench models. An equal number of standard models (without belt guards and push button switches) are also available for special applications and additional economy.

FLOOR MODELS

Available with utility or production table, foot feed and raising mechanism. Choice of No. 1 or No. 2 Morse Taper or 1/2" Key Chuck Spindle.



Model 1216-24



Model 1216-42
With utility table



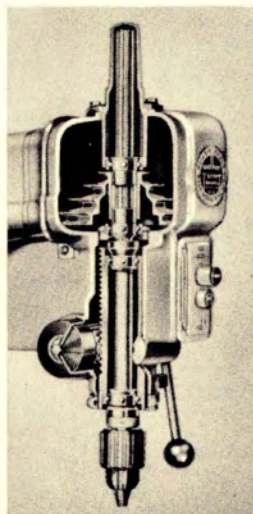
Model 1216-41
With production table

PRODUCTION MODELS

Available as single spindle or 2, 3, 4, 6 or any number of spindles in multiple spindle set-ups with production tables and head raising mechanisms. May be ordered as units or as component parts for making special set-ups. Choice of No. 1 or No. 2 Morse Taper or 1/2" Key Chuck Spindles. Can be equipped with Walker-Turner Air Feed Attachments for 100% pneumatic operation.

COMPARE RUGGEDNESS! COMPARE ACCURACY! COMPARE PRICE!

See Why Walker-Turner 4 1/4" Travel, 15" Drill Presses Give You More!



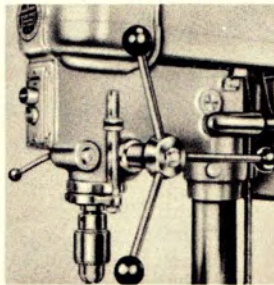
RUGGED SPINDLE CONSTRUCTION

Four bearing, six spline, spindle construction provides extra accuracy . . . two rows of bearings support the pulley independent of spindle. This "floating" drive construction provides positive torque transmission, exact spindle alignment and smooth, powerful operation.



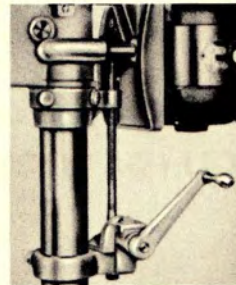
ONE POINT LUBRICATION

Spindle and quill assembly, and feed mechanism are quickly and easily lubricated from single oil hole conveniently located at top of spindle cap.



CONVENIENT CONTROLS

Easy-to-grip pilot wheel, accurate depth stop, quill lock handle and built-in, safety-designed push-button switch are all conveniently located on the big, one piece cast iron head.



VERSATILE RAISING MECHANISM

Head raising mechanism is furnished as standard equipment with production models . . . may be used interchangeably to raise head or table on floor models.

See Pages 8-9 for 15" Drill Press Catalog Listings and Component Parts.

WALKER TURNER

6" TRAVEL 15" DRILL PRESSES

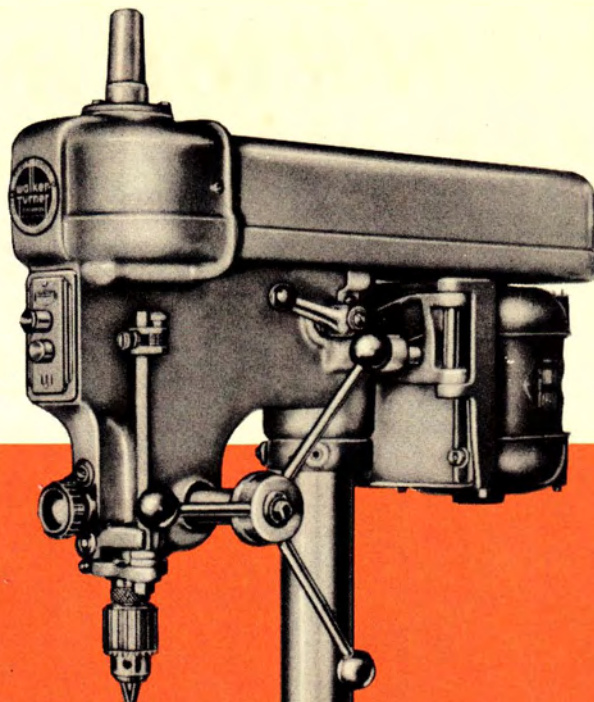
**NOW! From Walker-Turner . . .
Low Cost 15" Drill Presses with 6" spindle travel!**

These rugged "Light-Heavyweights" give you big capacity formerly found only in much larger, more expensive machines. With Walker-Turner 6" Travel, 15" Drill Presses you can drill holes up to 6" deep in all sizes up to 1/2" in cast iron with one pass of the drill!

Walker-Turner features such as massive, one piece cast iron heads, four bearing spindle construction and convenient controls mean lower costs and continuous, trouble-free performance.

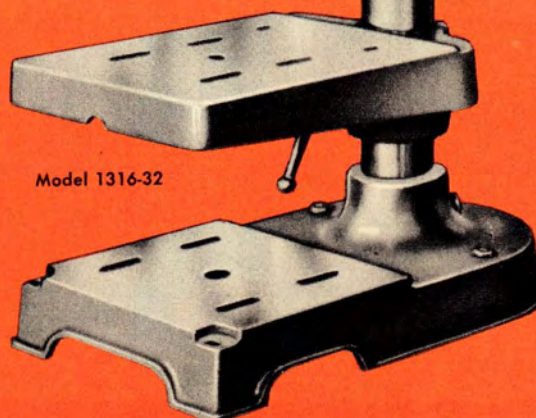
Select from bench, floor and single or multiple spindle production models. Choice of high or slow speed pulley and No. 1 or No. 2 Morse Taper or 1/2" Key Chuck Spindles. Easily interchanged spindle assemblies (available separately as components) provide additional versatility. All models may also be equipped with Walker-Turner Air Feed Attachments for 100% pneumatic operation.

In the production line . . . in the shop . . . throughout your operation, let big capacity, low cost Walker-Turner 15", 6" Travel, Drill Presses solve your special metal, wood or plastic drilling problem!



BENCH MODELS

Equipped with utility table and No. 1 or No. 2 Morse Taper or 1/2" Key Chuck Spindle.



Model 1316-32

SPECIFICATIONS

Column to Center of Drill.....7-1/2"

OVERALL DIMENSIONS

Floor Model	
Height	70"
Width	20-1/2"
Front to rear.....	29"
Bench Model	
Height	42"
Width	11-1/4"
Front to rear.....	28"

CAPACITIES

Key Chuck	0 - 1/2"
Dia. Hole in cast iron.....	1/2"
Dia. Hole in steel.....	3/8"

QUILL

Stroke	6"
Diameter	1-13/16"

SPINDLE SPEED

W/1725 RPM Motor	
W/high speed head pulley	600, 1250, 2240, 5000 RPM
W/slow speed head pulley	480, 940, 1300, 2900 RPM

COLUMN

Diameter	2-3/4"
----------------	--------

TABLE WORKING SURFACE

Floor Model Production Table.....	10" x 12"
Utility Table	12-1/4" x 10"
Tilting Table	10 x 10"

BASE WORKING SURFACE

Floor Models	9 x 11"
Bench Models.....	9 x 9-1/8"
Production Models	
(single spindle).....	14-1/2 x 16"

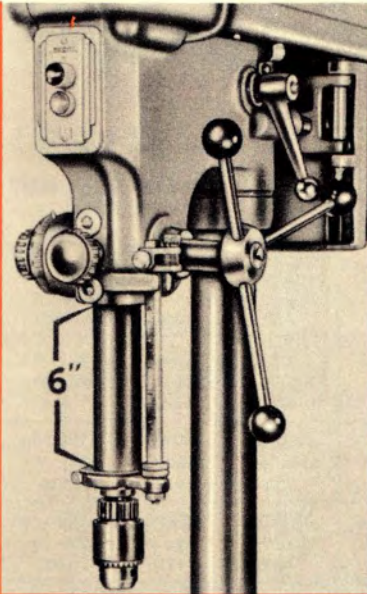
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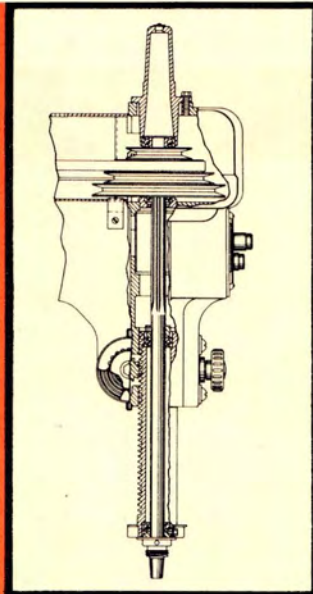
NEVER BEFORE!

A RUGGED, LOW COST DRILL PRESS with **6" SPINDLE TRAVEL!**



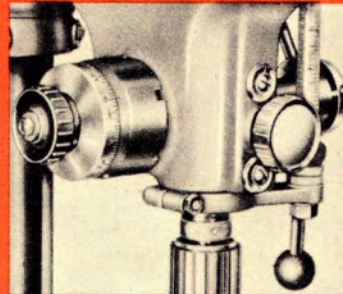
BIGGER CAPACITY EXTRA CONVENIENCE

Full 6" spindle travel is unmatched in its class! Easy-to-grip pilot wheel, and micrometer type depth stop with adjustable spindle return control provide extra convenience. Safety designed push button switch is mounted up-front on the massive, one piece head.



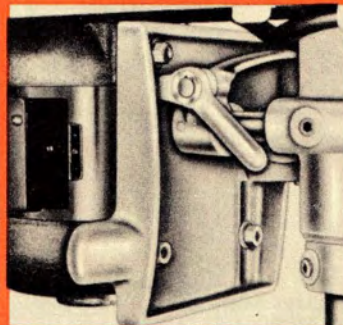
SUPERIOR SPINDLE CONSTRUCTION

Rugged, six spline spindle is mounted on two widely spaced bearings . . . two additional rows of bearings support pulley independent of spindle. Entire spindle and quill assembly is lubricated from single oil hole at top.



CONVENIENT ACCURACY CONTROLS

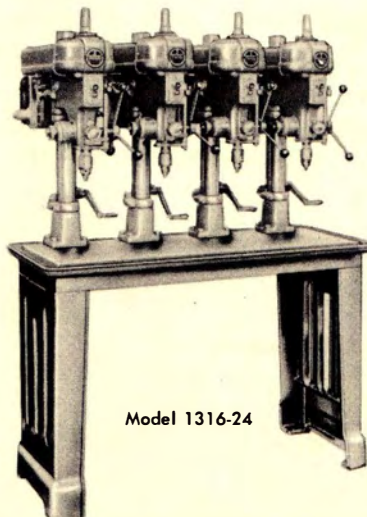
Calibrated depth indicator shows exact drill penetration. Up-front quill lock knob and two quill wear adjustment screws are also provided.



QUICK RELEASE MOTOR BASE

Convenient lever facilitates release of hinged, motor mount and assures proper belt tension.

SELECT FROM BENCH, FLOOR AND SINGLE OR MULTIPLE SPINDLE PRODUCTION MODELS



Model 1316-24

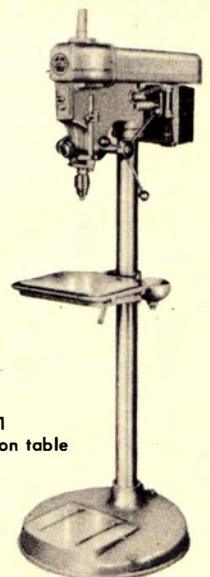
PRODUCTION MODELS

Select from single spindle, or 2, 3, 4, 6 or any number of spindles in multiple spindle set-ups complete with production tables and head raising mechanisms. May be ordered as units or as component parts for making special purpose machines. Choice of No. 1 or No. 2 Morse Taper or 1/2" Key Chuck Spindles. May also be equipped with Walker-Turner Air Feed Attachments for economical, efficient pneumatic operation.

FLOOR MODELS

Equipped with utility or production table and No. 1 or No. 2 Morse Taper or 1/2" Key Chuck Spindle. Available with foot feed and raising mechanism that may be used to raise either the head or table.

Model 1316-41
With production table



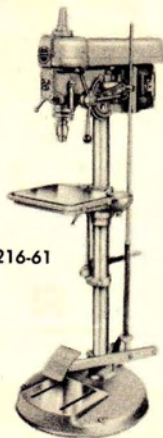
See Pages 8-9 For 15" Drill Press Catalog
Listings and Component Parts.

4 1/4" TRAVEL 15" DRILL PRESS

DELUXE FLOOR MODELS

Include No. 13C44 belt guard, No. 395C3 push button switch assembly, No. 351-46 high speed or No. 351-48 slow speed belt and No. 344C9 motor pulley. Motors are not included. Maximum distance chuck to base 46", chuck to table 39 3/8".

MODEL 1216-61



STANDARD FLOOR MODELS

Catalog numbers at right are for deluxe models. To order standard models (same as deluxe models except less belt guard and push button switch) add "C" in place of "-" after fourth digit (Example—deluxe model 1211-41, standard model 1211C41). Belt guard and push button switch may be ordered separately if desired.

4 1/4" TRAVEL 15" DRILL PRESS

DELUXE PRODUCTION MODELS

Include No. 13C44 belt guards, No. 395C3 push button switch assemblies, No. 12C37 head raising mechanisms, No. 351-46 high speed or No. 351-48 slow speed belts, No. 344C9 motor pulleys and table. Motors and legs are not included. Maximum distance chuck to table 18 1/2". See page 16 for information on Walker-Turner coolant pumps.



MODEL 1216-21

STANDARD PRODUCTION MODELS

Catalog numbers at right are for deluxe models. To order standard models (same as deluxe models except less belt guards and push button switch) add "C" in place of "-" after fourth digit (Example—deluxe model 1211-21, standard model 1211C21). Belt guard and push button switch may be ordered separately if desired.

4 1/4" TRAVEL 15" DRILL PRESS

DELUXE BENCH MODELS

Include No. 12C29 utility table, No. 13C44 belt guard, No. 395C3 push button switch assembly, No. 351-46 high speed or No. 351-48 slow speed belt and No. 344C9 motor pulley. Motors are not included. Maximum distance chuck to base 17 1/2", chuck to table 12".

STANDARD BENCH MODELS

Catalog numbers at right are for deluxe models. To order standard models (same as deluxe models except less belt guard and push button switch) add "C" in place of "-" after fourth digit (Example—deluxe model 1211-32, standard model 1211C32). Belt guard and push button switch may be ordered separately if desired.

Spindle and Speed	With Production Table*	With Utility Table	With Production Table*, Foot Feed and Raising Mechanism
No. 1 Morse Taper High Speed	1211-41 Ship. Wt. 190	1211-42 Ship. Wt. 180	1211-61 Ship. Wt. 240
No. 1 Morse Taper Slow Speed	1221-41 Ship. Wt. 190	1221-42 Ship. Wt. 180	1221-61 Ship. Wt. 240
No. 2 Morse Taper High Speed	1212-41 Ship. Wt. 190	1212-42 Ship. Wt. 180	1212-61 Ship. Wt. 240
No. 2 Morse Taper Slow Speed	1222-41 Ship. Wt. 190	1222-42 Ship. Wt. 180	1222-61 Ship. Wt. 240
1/2" Key Chuck High Speed	1216-41 Ship. Wt. 190	1216-42 Ship. Wt. 180	1216-61 Ship. Wt. 240
1/2" Key Chuck Slow Speed	1226-41 Ship. Wt. 190	1226-42 Ship. Wt. 180	1226-61 Ship. Wt. 240

*Production table has 1/2" pipe plug at coolant connection at right rear.

No. of Spindles Type of Table	No. 1 Morse Taper High Speed	No. 1 Morse Taper Slow Speed	No. 2 Morse Taper High Speed	No. 2 Morse Taper Slow Speed	1/2" Key Chuck High Speed	1/2" Key Chuck Slow Speed
1 spindle 	1211-21 Ship. Wt. 205	1221-21 Ship. Wt. 205	1212-21 Ship. Wt. 205	1222-21 Ship. Wt. 205	1216-21 Ship. Wt. 205	1226-21 Ship. Wt. 205
2 spindle 	1211-22 Ship. Wt. 340	1221-22 Ship. Wt. 340	1212-22 Ship. Wt. 340	1222-22 Ship. Wt. 340	1216-22 Ship. Wt. 340	1226-22 Ship. Wt. 340
3 spindle 	1211-23 Ship. Wt. 675	1221-23 Ship. Wt. 675	1212-23 Ship. Wt. 675	1222-23 Ship. Wt. 675	1216-23 Ship. Wt. 675	1226-23 Ship. Wt. 675
4 spindle 	1211-24 Ship. Wt. 725	1221-24 Ship. Wt. 725	1212-24 Ship. Wt. 725	1222-24 Ship. Wt. 725	1216-24 Ship. Wt. 725	1226-24 Ship. Wt. 725
6 spindle 	1211-26 Ship. Wt. 1000	1221-26 Ship. Wt. 1000	1212-26 Ship. Wt. 1000	1222-26 Ship. Wt. 1000	1216-26 Ship. Wt. 1000	1226-26 Ship. Wt. 1000

NOTE: All tables have 2 1/4" oil trough with convenient 1/2" pipe taps.

Spindle and Speed	No.
No. 1 Morse Taper High Speed	1211-32 Ship. Wt. 135
No. 1 Morse Taper Slow Speed	1221-32 Ship. Wt. 135
No. 2 Morse Taper High Speed	1212-32 Ship. Wt. 135
No. 2 Morse Taper Slow Speed	1222-32 Ship. Wt. 135
1/2" Key Chuck High Speed	1216-32 Ship. Wt. 135
1/2" Key Chuck Slow Speed	1226-32 Ship. Wt. 135

1/2 HP, 1725 RPM, 115/230 V, 60 cy, single phase motor. No. 9122
1/2 HP, 1725 RPM, 220/440 V, 60 cy, three phase motor. No. 9322
Legs, one pair, 31 1/2" high, required for mounting multiple spindle production models. No. 12C32
Legs, three, 31 1/2" high. Required for mounting 6 spindle units. No. 12C32-1
Belt Guard Assembly, strong, light-weight pressed steel, for standard models, same as furnished with deluxe models. No. 13C44
Push Button Switch and Cord Assembly, for standard models, same as furnished with deluxe models, single or 3 phase. No. 395C3
On-Off Toggle Switch, single phase with cord, fits through cover plate furnished with standard models. No. 395C25
On-Off Toggle Switch, three phase with cord, fits through cover plate furnished with standard models. No. 395C20

MAKE YOUR OWN SPECIAL MACHINES WITH THESE

COMPONENTS FOR 4 1/4" TRAVEL, 15" MODELS

4 1/4" TRAVEL, 15" DRILL PRESS HEADS

Head, No. 1 M.T. Spindle, with No. 13C44 belt guard, No. 395C3 push button switch and cable assembly, No. 351-46 high speed belt, No. 344C9 motor pulley; less motor. Ship. Wt. 81. No. 1211
Head, same as 1211 except with No. 351-48 slow speed belt. Ship. Wt. 81. No. 1221
Head, same as 1211 except with No. 2 M.T. Spindle. Ship. Wt. 81. No. 1212
Head, same as 1211 except with No. 2 M.T. Spindle and No. 351-48 slow speed belt. Ship. Wt. 81. No. 1222
Head, same as 1211 except with 0-1/2" Key Chuck Spindle. Ship. Wt. 81. No. 1216
Head, same as 1211 except with 0-1/2" Key Chuck Spindle and No. 351-48 slow speed belt. Ship. Wt. 81. No. 1226

NOTE: 4 1/4" Travel Drill Press head catalog numbers are for deluxe models. To order standard models, add "C" after fourth digit above (Example 1211C). Standard head models are same as deluxe models but less belt guard and motor switch which may be ordered separately if desired.

SPINDLE ASSEMBLIES

Spindles may be readily interchanged in seconds to provide additional versatility.
No. 1 M.T. Spindle Assembly, for 4 1/4" Travel Models, includes spindle, quill, bearings and bearing collar. No. 12A3-1
No. 2 M.T. Spindle Assembly, for 4 1/4" Travel Models, includes spindle, quill, bearings and bearing collar. No. 12A3-2
0-1/2" Key Chuck Spindle Assembly, for 4 1/4" Travel Models, includes spindle, quill, bearings and bearing collar. No. 12A3-6

AIR FEED ATTACHMENT

For converting Walker-Turner 15"-4 1/4" Travel Drill Presses to economical, 100% pneumatic operation. Complete Air Feed Attachment with step-by-step instructions for easy installation. (See Page 16 for complete information.) No. 98C12

COMPONENTS FOR 6" TRAVEL, 15" MODELS

6" TRAVEL, 15" DRILL PRESS HEADS

Head, No. 1 M.T. Spindle, with No. 13C44 belt

guard, No. 395C3 push button switch, No. 351-47 high speed belt, No. 344C9 motor pulley; less motor. Ship. Wt. 106. No. 1311
Head, same as 1311 except with No. 351-48 slow speed belt. Ship. Wt. 106. No. 1321
Head, same as 1311 except with No. 2 M.T. Spindle. Ship. Wt. 106. No. 1312
Head, same as 1311 except with No. 2 M.T. Spindle and No. 351-48 slow speed belt. Ship. Wt. 106. No. 1322
Head, same as 1311 except with 0-1/2" Key Chuck Spindle. Ship. Wt. 106. No. 1316
Head, same as 1311 except with 0-1/2" Key Chuck Spindle and No. 351-48 slow speed belt. Ship. Wt. 106. No. 1326

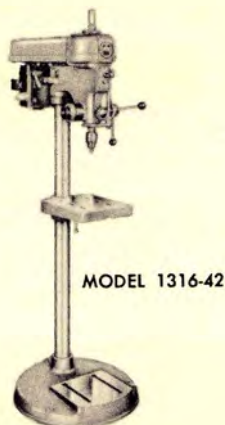
SPINDLE ASSEMBLIES

Spindles may be readily interchanged in seconds to provide additional versatility.
No. 1 M.T. Spindle Assembly, for 6" Travel Models, includes spindle, quill, bearings and bearing collar. No. 13A3-1
No. 2 M.T. Spindle Assembly, for 6" Travel Models, includes spindle, quill, bearings and bearing collar. No. 13A3-2

6" TRAVEL 15" DRILL PRESS

DELUXE FLOOR MODELS

Include No. 13C44 belt guard, No. 395C3 push button switch assembly, No. 351-47 high speed or No. 351-48 slow speed belt and No. 344C9 motor pulley. Motors are not included. Maximum distance chuck to base 43", chuck to table 37 $\frac{3}{8}$ ".



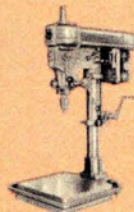
Spindle and Speed	With Production Table*	With Utility Table	With Production Table* Foot Feed and Raising Mechanism
No. 1 Morse Taper High Speed	1311-41 Ship. Wt. 210	1311-42 Ship. Wt. 200	1311-61 Ship. Wt. 265
No. 1 Morse Taper Slow Speed	1321-41 Ship. Wt. 210	1321-42 Ship. Wt. 200	1321-61 Ship. Wt. 265
No. 2 Morse Taper High Speed	1312-41 Ship. Wt. 210	1312-42 Ship. Wt. 200	1312-61 Ship. Wt. 265
No. 2 Morse Taper Slow Speed	1322-41 Ship. Wt. 210	1322-42 Ship. Wt. 200	1322-61 Ship. Wt. 265
$\frac{1}{2}$ " Key Chuck High Speed	1316-41 Ship. Wt. 210	1316-42 Ship. Wt. 200	1316-61 Ship. Wt. 265
$\frac{1}{2}$ " Key Chuck Slow Speed	1326-41 Ship. Wt. 210	1326-42 Ship. Wt. 200	1326-61 Ship. Wt. 265

*Production table has $\frac{1}{2}$ " pipe plug at coolant connection at right rear.

6" TRAVEL 15" DRILL PRESS

DELUXE PRODUCTION MODELS

Include No. 13C44 belt guards, No. 395C3 push button switch assemblies, No. 12C37 head raising mechanisms, No. 351-47 high speed or No. 351-48 slow speed belts and No. 344C9 motor pulleys and table. Motors and legs are not included. Maximum distance chuck to table 15 $\frac{1}{2}$ ". See Page 16 for information on Walker-Turner Coolant Pumps.



No. of Spindles Type of Table	No. 1 Morse Taper High Speed	No. 1 Morse Taper Slow Speed	No. 2 Morse Taper High Speed	No. 2 Morse Taper Slow Speed	$\frac{1}{2}$ " Key Chuck High Speed	$\frac{1}{2}$ " Key Chuck Slow Speed
1 spindle	1311-21 Ship. Wt. 230	1321-21 Ship. Wt. 230	1312-21 Ship. Wt. 230	1322-21 Ship. Wt. 230	1316-21 Ship. Wt. 230	1326-21 Ship. Wt. 230
2 spindle	1311-22 Ship. Wt. 365	1321-22 Ship. Wt. 365	1312-22 Ship. Wt. 365	1322-22 Ship. Wt. 365	1316-22 Ship. Wt. 365	1326-22 Ship. Wt. 365
3 spindle	1311-23 Ship. Wt. 715	1321-23 Ship. Wt. 715	1312-23 Ship. Wt. 715	1322-23 Ship. Wt. 715	1316-23 Ship. Wt. 715	1326-23 Ship. Wt. 715
4 spindle	1311-24 Ship. Wt. 805	1321-24 Ship. Wt. 805	1312-24 Ship. Wt. 805	1322-24 Ship. Wt. 805	1316-24 Ship. Wt. 805	1326-24 Ship. Wt. 805
6 spindle	1311-26 Ship. Wt. 1120	1321-26 Ship. Wt. 1120	1312-26 Ship. Wt. 1120	1322-26 Ship. Wt. 1120	1316-26 Ship. Wt. 1120	1326-26 Ship. Wt. 1120

NOTE: All tables have 2 $\frac{1}{16}$ " oil trough with convenient $\frac{1}{2}$ " pipe taps.

6" TRAVEL 15" DRILL PRESS

DELUXE BENCH MODELS

Include No. 12C29 utility table, No. 13C44 belt guard, No. 395C3 push button switch assembly, No. 351-47 high speed or No. 351-48 slow speed belt and No. 344C9 motor pulley. Motors are not included. Maximum distance chuck to base 14 $\frac{1}{2}$ ", chuck to table 9".

Spindle and Speed	No.
No. 1 Morse Taper High Speed	1311-32 Ship. Wt. 155
No. 1 Morse Taper Slow Speed	1321-32 Ship. Wt. 155
No. 2 Morse Taper High Speed	1312-32 Ship. Wt. 155
No. 2 Morse Taper Slow Speed	1322-32 Ship. Wt. 155
$\frac{1}{2}$ " Key Chuck High Speed	1316-32 Ship. Wt. 155
$\frac{1}{2}$ " Key Chuck Slow Speed	1326-32 Ship. Wt. 155

$\frac{1}{2}$ HP, 1725 RPM, 115/230 V, 60 cy, single phase motor. No. 9122

$\frac{1}{2}$ HP, 1725 RPM, 220/440 V, 60 cy, three phase motor. No. 9322

Legs, one pair, 31 $\frac{1}{2}$ " high, required for mounting multiple spindle production models. No. 12C32

Legs, three, 31 $\frac{1}{2}$ " high. Required for mounting 6 spindle units. No. 12C32-1

WALKER-TURNER 15" DRILL PRESS COMPONENTS...

0- $\frac{1}{2}$ " Key Chuck Spindle Assembly, for 6" Travel Models, includes spindle, quill, bearings and bearing collar. No. 13A3-6

AIR FEED ATTACHMENT

For converting Walker-Turner 15"—6" Travel Drill Presses to economical, 100% pneumatic operation. Complete Air Feed Attachment with step-by-step instructions for easy installation. (See Page 16 for complete information.) No. 98C13

COMPONENTS FOR $\frac{1}{4}$ " OR 6" TRAVEL, 15" MODELS COLUMNS

Column Steel, 2 $\frac{3}{4}$ x 31". No. 12-34

Column Steel, 2 $\frac{3}{4}$ x 60". No. 12-35

Flange for mounting column on table, complete with screws. No. 12C33

RAISING MECHANISM

Raising Mechanism for quick raising and lowering of heads or tables. No. 12C37

EXTENSION ARM

Extension arm permits drilling to center of 48" circle! (See Page 17 for complete information.) No. 12C50

TABLES

Minimum center to center distances for columns is 11" on multiple spindle tables.

Tilting Table for single spindle floor and bench models, 10" x 10" ground work surface. One side of table is accurately machined 90° to the table surface. Tilts 45° right or left, scale indicates degree of tilt. No. 13C30

Utility table for bench and floor models, 12 $\frac{1}{4}$ " x 10" ground work surface. No. 12C29

Production Table for single spindle floor model, 10" x 12" ground work surface. Sump at back right is tapped to accommodate $\frac{1}{2}$ " pipe. No. 12C31

Production Table for single spindle production model, 14 $\frac{1}{2}$ " x 16" ground work surface. No. 12-21

Production Table for two spindle set-up, one piece, 17 $\frac{1}{8}$ " x 23" ground work surface, drilled and tapped for column mounting flanges on 11" centers. Fits No. 12C32 legs. No. 12C22

Production Table for three spindle set-up, one piece, 17 $\frac{1}{8}$ " x 45" ground work surface drilled

and tapped for column mounting flanges on 15" centers. Fits No. 12C32. No. 12C23

Production Table for four spindle set-up, one piece, 17 $\frac{1}{8}$ " x 45" ground work surface drilled and tapped for column mounting flanges on 11" centers. Fits No. 12C23. No. 12C24

Production Table for six spindle set-up, one piece, 17 $\frac{1}{8}$ " x 67" ground work surface, drilled and tapped for column mounting flanges on 11" centers. Fits No. 12C32-1. No. 12C26

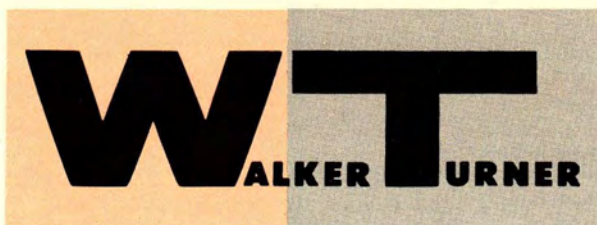
LEGS

Legs, Cast Iron, one pair, 31 $\frac{1}{2}$ " high. For mounting production tables Nos. 12-22, 12-23, 12-24. No. 12C32

Legs, Cast Iron, three, 31 $\frac{1}{2}$ " high required for mounting production table No. 12-26. No. 12C32-1

Riser Blocks, one pair, 2" high with studs, nuts and lock washers for mounting under Nos. 109C867-19 and 109C867-21 legs. Pair required for each leg to raise machine 2". Can be stacked to raise machine 4". No. 109C867-22

Data Sheets with dimensions are available to aid in special machine design.



20" DRILL PRESS

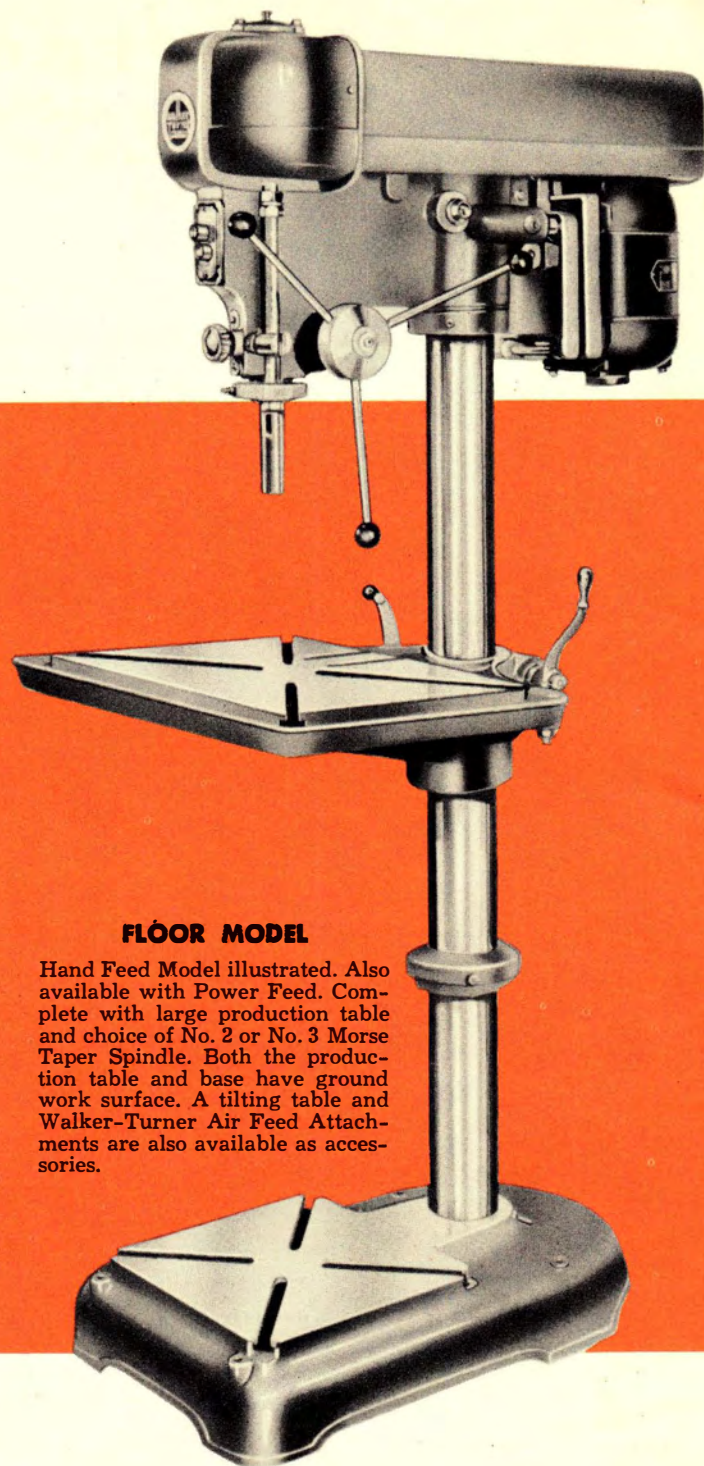
These big capacity "Light-Heavyweights" provide the ruggedness, versatility and performance required for accurate production drilling under heavy work loads. Their low investment and maintenance costs have saved thousands of dollars in all types of drilling operations—repair shops, tool rooms, maintenance shops, experimental departments and all kinds of production operations.

The Walker-Turner 20" Drill Press features a massive, one piece head, rugged column, big 6" travel, ten spline spindle and a giant $2\frac{3}{8}$ " diameter quill.

Five row bearing spindle construction, wear adjustment controls and precision engineering throughout assure continuous accuracy on a 24-hour schedule, month after month, year after year.

An unusually wide speed range—as low as 330 RPM, as high as 2600 RPM—plus big capacity—up to 1" diameter holes in cast iron—make these portable "Light-Heavyweights" ideal for use throughout the shop. *Use them right in the production line to relieve existing production problems and to speed up production in your operation. Frequently, they replace heavier, fixed machinery costing much more.*

Walker-Turner 20" Drill Presses are available in 32 basic models to meet your requirements. In addition, special purpose units can be readily built up using Walker-Turner basic components such as air feeds, columns, production tables and legs with the basic drill press head models.



FLOOR MODEL

Hand Feed Model illustrated. Also available with Power Feed. Complete with large production table and choice of No. 2 or No. 3 Morse Taper Spindle. Both the production table and base have ground work surface. A tilting table and Walker-Turner Air Feed Attachments are also available as accessories.

SPECIFICATIONS

OVERALL DIMENSIONS

Floor Model	
Height	74"
Width	22"
Front to rear	34½"

Bench Model	
Height	55"
Width	23"
Front to rear	40½"

CAPACITIES

Column to Center of Drill.....	10"
Dia. hole in cast iron.....	1"
Dia. hole in steel.....	¾"

QUILL

Diameter	2¾"
Spindle Travel	6"

SPINDLE SPEED

W/1725 RPM Motor.....	500, 800, 1200, 1800, 2600 RPM
W/1140 RPM Motor.....	330, 520, 800, 1200, 1700 RPM

SPINDLE FEEDS

Power Feed Model. .004, .006, .009, .012 In. per Rev.

COLUMN

Diameter	3¾"
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TABLE WORKING SURFACE

Production (supplied with Single Spindle Floor Models)	15 x 18"
Tilting Table (available as an accessory)	16 x 18"

BASE WORKING SURFACE

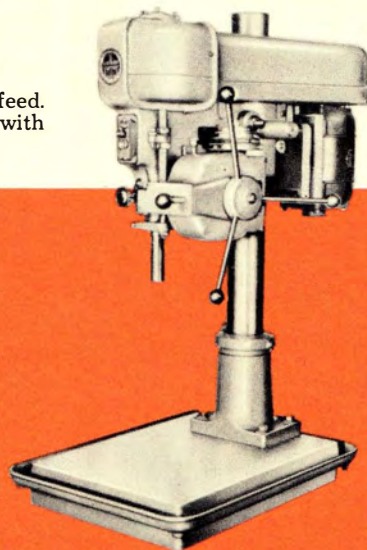
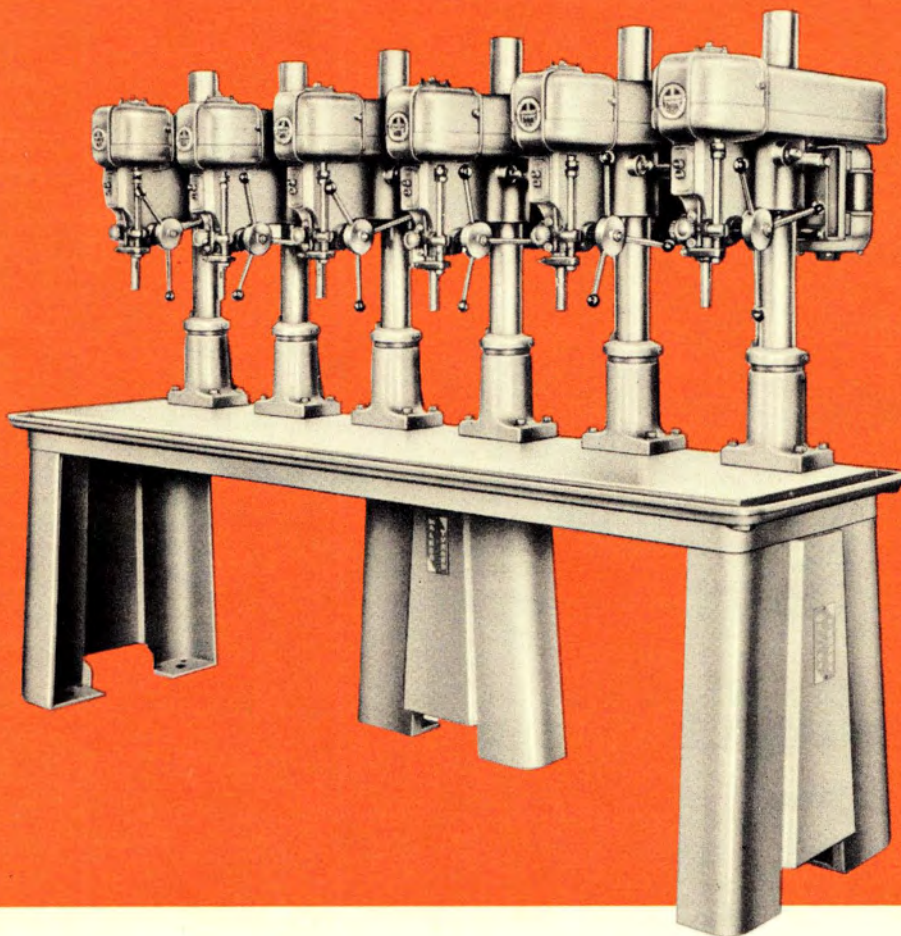
Floor Model	13½" x 14¾"
Bench Model	18 x 24"

SELECT FROM 32 MODELS

Single or Multiple Spindle—Hand or Power Feed—
No. 2 or No. 3 Morse Taper

BENCH MODEL

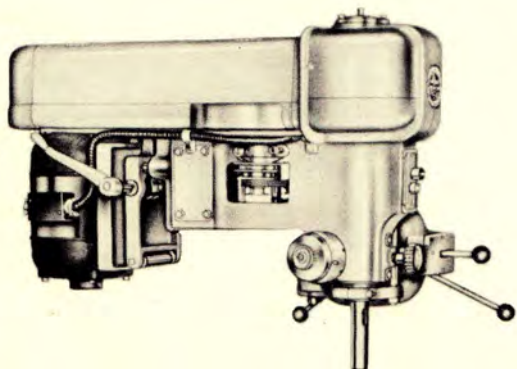
Power feed model illustrated. Also available with hand feed. Choice of No. 2 or No. 3 Morse Taper Spindle. Complete with big 24" x 18" working surface production table.



MULTIPLE SPINDLE MODELS

Choice of 2, 3, 4, 6 or any number of spindles, hand or power feed, No. 2 or No. 3 Morse Taper Spindle. Complete with production table.

Walker-Turner Multiple Spindle Drill Presses may be ordered as units or as component parts for arrangement in production line sequence to meet your requirements. They also may be equipped with Walker-Turner 100% pneumatic Air Feed Attachments for non-electrical, high production, automatic operation. Legs for all multiple spindle models should be ordered separately (see list of components).



DRILL PRESS HEADS FOR SPECIAL SET-UPS

Drill Heads only are available for setting up special application drills.

Because of their adaptability and big capacity, they frequently save hundreds of dollars over expensive, special installations. Many industries have effectively used them to solve radial, angular, horizontal and other particular drilling problems.

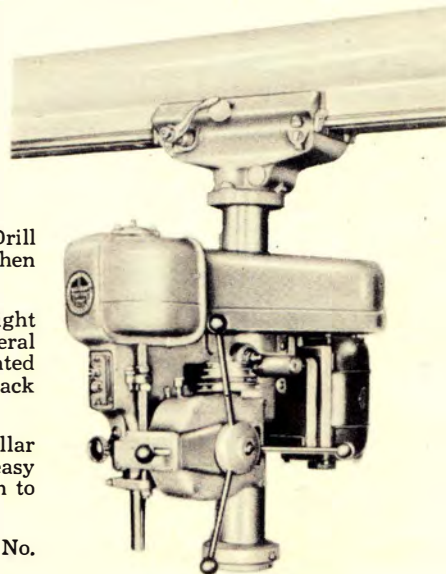
OVERHEAD MODELS

Walker-Turner 20" Overhead Drill Presses are especially practical when drilling large or heavy work.

Complete with 33" column and eight ball bearing carriage for easy lateral movement. Carriage may be mounted on a jib crane or similar type of track for movement over a large area.

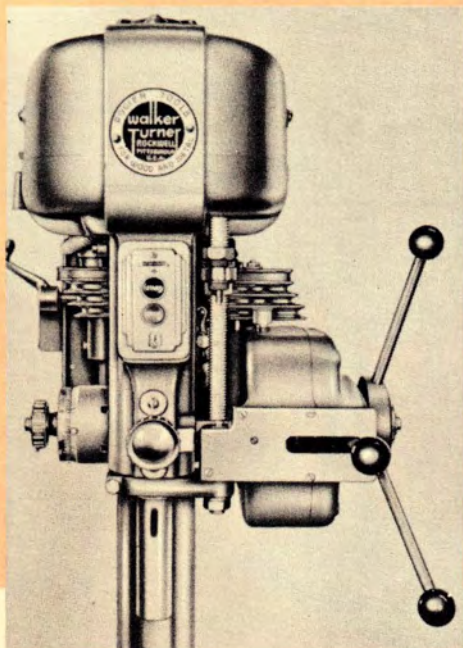
A rugged ball bearing thrust collar supports the head and makes it easy to swing the head around column to any desired position.

Available in hand or power feed, No. 2 or No. 3 Morse Taper models.



WALKER-TURNER 20" DRILL PRESSES

PROVIDE THESE IMPORTANT PRODUCTION FEATURES

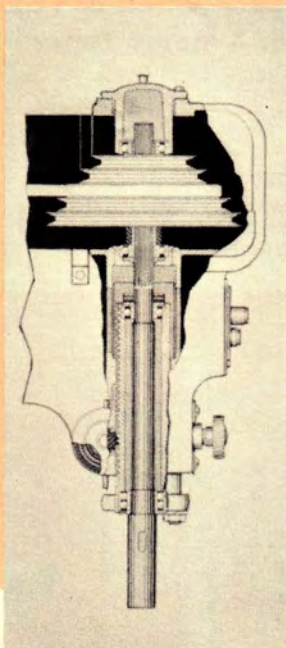


UP-FRONT CONTROLS

Safety designed "on-off" switch, large quill lock knob and easy-to-read depth stop and depth indicator gauges are conveniently located "up-front" on the massive one piece head.

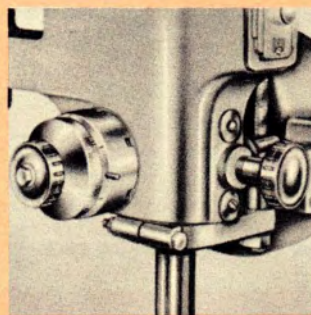
EFFICIENT POWER FEED OPERATION

Power feed models provide effortless, rapid, production drilling. Simply flick convenient knob handle to operate . . . drill returns automatically . . . micrometer depth stop adjustment assures accurate drilling.



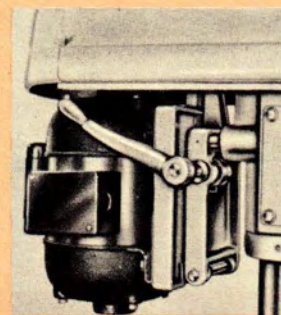
RUGGED, PRECISION SPINDLE CONSTRUCTION

Five rows of bearings, including a double row close to the work load, assure accuracy. Big ten-spline manganese steel spindle and 2 3/8" diameter quill provide extra ruggedness. Bearings support pulley independent of spindle, eliminating transmission of belt pull to spindle. Oil hole at top permits simple, one point lubrication of entire spindle assembly.



CONTROLS ASSURE ACCURACY

Easy-to-read depth indicator has zero start feature and is calibrated to 1/32" for accurate, direct reading of drill penetration. Convenient quill lock knob and two wear adjustment screws are also provided.



QUICK RELEASE MOTOR MOUNT

A single large handle operates pivoting, cam-actuated motor mount. The cam action permits easy belt changing and assures longer belt life and proper belt tension at all times.

- Extra big capacity—6" spindle travel, drills 1" hole in cast iron.
- Massive 3 3/4" diameter column.
- Choice of 5 spindle speeds.
- Light-weight steel belt guards provide full protection.
- Elevating mechanism is standard equipment . . . can be used on head or table.
- Readily interchanged No. 2 or No. 3 Morse Taper Spindle Assemblies are available.
- Walker-Turner Air Feed Units can be readily attached for 100% pneumatic operation.

WALKER-TURNER 20" DRILL PRESS COMPONENTS

FOR SPECIAL SET-UPS AND APPLICATIONS . . . FOR EXTRA DRILLING VERSATILITY

Drill Heads only may be purchased (see single spindle model listing) and built up with these Walker-Turner components and accessories for special-purpose drilling applications. Use them to solve special production drilling problems. (Data sheets with dimensions are available to aid in setting up special purpose units.)

SPINDLE ASSEMBLIES

Interchange of spindles can be made in a few seconds with these spindle assemblies.

No. 2 M.T. Spindle Assembly, includes spindle, quill, bearing and bearing collars. No. 11A12

No. 3 M.T. Spindle Assembly, includes spindle, quill, bearing and bearing collars. No. 11A13

AIR FEED

For economical 100% pneumatic drilling of materials up to 1/2" holes in mild steel . . . has built-in air check valve . . . only wrench and screwdriver are required for installation. (See page 16 for complete information.)

Air Feed Unit, complete with all necessary parts for attachment and instruction book. No. 98C10

COLUMNS

Column, 3 3/4" x 33", same as furnished with Overhead Models. No. 11-36

Column, 3 3/4" x 42", same as furnished with Bench and Multiple Spindle Models. No. 11-34

Column, 3 3/4" x 66", same as furnished with Floor Models. No. 11C35

Column, 3 3/4" x 78", for additional spindle to table and/or base capacity. No. 11-131

Column and Flange, same as used on multiple spindle drill presses; flange is shrunk onto column. No. 11C34

Flange, for mounting column on table, complete with screws. No. 11-60

Column and Ball Bearing Carriage, same as supplied with Overhead Drill Presses, includes 3 3/4" x 33" Column and eight Ball Bearing Construction Carriage and lock. No. 11A36

RAISING MECHANISM

Raising Mechanism, for head or table. Includes ball bearing thrust collar, rack, gear assembly and crank. No. 11C37

TABLES

Minimum center to center distances for columns are 13" for Hand Feed models and 16" for Power Feed models.

Tilting Table, for single spindle floor models, 16" x 18" wide, top and one side are finished to plane surfaces at right angles to one another, slotted, with column bracket and tilt angle scale. May be used with No. 11C37 Raising Mechanism. No. 11C30

Production Table, for single spindle floor models, 15" x 18" ground working surface with 4 diagonal and 2 parallel blind T slots for 1/2" bolts. May be used with No. 11C37 Raising Mechanism. No. 11C31

Production Table, for single spindle bench models, 24" x 18" wide. No. 11C21

Production Table, for two spindle set-up. One piece, 24 1/2" x 35 1/2" ground work surface, drilled and tapped for column mounting flanges on 17 1/2" centers. Fits No. 109C867-19 legs. No. 11C22

Production Table, for three spindle set-up. One piece, 24 1/2" x 70 1/2" ground work surface, drilled and tapped for column mounting flanges on 26 1/4" centers. Fits No. 109C867-19 legs. No. 11C23

Production Table, for four spindle set-up. One piece, 24 1/2" x 70 1/2" ground work surface, drilled and tapped for column mounting flanges on 17 1/2" centers. Fits No. 109C867-19 legs. No. 11C24

Production Table, for six spindle set-up. Two piece, 24 1/2" x 105 1/2" ground work surface, drilled and tapped for column mounting flanges on 17 1/2" centers. Fits Nos. 109C867-19 and 109C867-21 legs. No. 11C26

Production Table, right end section, 25" x 35 1/4" ground work surface, drilled and tapped for column mounting flanges on 17 1/2" centers. No. 11C95

Production Table, left end section, 25" x 34 1/4" ground work surface, drilled and tapped for column mounting flanges on 17 1/2" centers. No. 11C95-1

Production Table, center section, 25" x 35" ground work surface, drilled and tapped for column mounting flanges on 17 1/2" centers. No. 11C94

LEGS

Steel Legs, two, 27 1/2" high. For mounting production tables Nos. 11C22, 11C23, 11C24, 11C26. No. 109C867-19

Steel Leg, one, 27 1/2" high. For mounting production tables. Required for mounting No. 11C26 table. No. 109C867-21

Riser Blocks, two, 2" high with studs, nuts and lock washers for mounting under legs Nos. 109C867-19 and 109C867-21. One pair required for each leg to raise leg 2". Two blocks may be stacked to raise leg 4". No. 109C867-22

catalog listing

WALKER-TURNER 20" DRILL PRESSES

STANDARD EQUIPMENT—All complete hand feed single and multiple spindle models include No. 351-62 V-belt, No. 345C2 motor pulley ($\frac{3}{4}$ " bore), No. 11C37 raising mechanism, No. 395C3 push button switch and belt guard.

All complete power feed single and multiple spindle models include Nos. 351-62, 351-29, 350-1 V-belts, No. 345C2 motor pulley ($\frac{3}{4}$ " bore), No. 11C37 raising mechanism, No. 395C3 push button switch and belt guard.

Motors and legs are not included with machines.

SINGLE SPINDLE MODELS

Feed and Spindle		Bench Model (with production table)	Floor Model (with production table)	Overhead Model (with ball bearing carriage & 33" column)	Drill Heads only (less No. 11C37 raising mechanism)
Hand Feed	No. 2 Morse Taper	No. 1112-21 Ship. Wt. 415	No. 1112-41 Ship. Wt. 460	No. 1112-50 Ship. Wt. 305	No. 1112 Ship. Wt. 180
Hand Feed	No. 3 Morse Taper	No. 1113-21 Ship. Wt. 415	No. 1113-41 Ship. Wt. 460	No. 1113-50 Ship. Wt. 305	No. 1113 Ship. Wt. 180
Power Feed	No. 2 Morse Taper	No. 1142-21 Ship. Wt. 450	No. 1142-41 Ship. Wt. 500	No. 1142-50 Ship. Wt. 325	No. 1142 Ship. Wt. 200
Power Feed	No. 3 Morse Taper	No. 1143-21 Ship. Wt. 450	No. 1143-41 Ship. Wt. 500	No. 1143-50 Ship. Wt. 325	No. 1143 Ship. Wt. 200

MULTIPLE SPINDLE MODELS

No. of Spindles Type of Table	No. 2 Morse Taper Hand Feed	No. 3 Morse Taper Hand Feed	No. 2 Morse Taper Power Feed	No. 3 Morse Taper Power Feed
2 Spindle One-piece table One $\frac{1}{2}$ " pipe tap at each rear corner	No. 1112-22 Ship. Wt. 1100	No. 1113-22 Ship. Wt. 1100	No. 1142-22 Ship. Wt. 1150	No. 1143-22 Ship. Wt. 1150
3 Spindle One-piece table One $\frac{1}{2}$ " pipe tap at each rear corner	No. 1112-23 Ship. Wt. 1875	No. 1113-23 Ship. Wt. 1875	No. 1142-23 Ship. Wt. 1950	No. 1143-23 Ship. Wt. 1950
4 Spindle One-piece table One $\frac{1}{2}$ " pipe tap at each of four corners	No. 1112-24 Ship. Wt. 2075	No. 1113-24 Ship. Wt. 2075	No. 1142-24 Ship. Wt. 2175	No. 1143-24 Ship. Wt. 2175
6 Spindle Two-piece table One $\frac{1}{2}$ " pipe tap at each of four corners	No. 1112-26 Ship. Wt. 2875	No. 1113-26 Ship. Wt. 2875	No. 1142-26 Ship. Wt. 3025	No. 1143-26 Ship. Wt. 3025

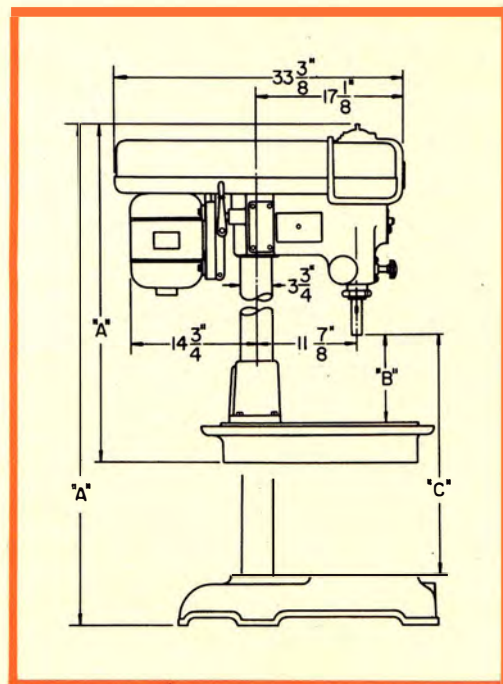
Tables on Multiple Spindle Units have $1\frac{7}{8}$ " Coolant Trough. When used with No. 109C867-19 legs, table working surface is $32\frac{1}{8}$ " from floor.

Six Spindle units require three legs (Nos. 109C867-19 & 109C867-21) All other units pair of legs (No. 109C867-19)

1 HP, 115/230 V, 60 Cy, single phase, 1725 RPM Motor.....No. 9142
 1 HP, 220/440 V, 60 Cy, 3 phase, 1140 RPM Motor.....No. 9341
 1 HP, 220/440 V, 60 Cy, 3 phase, 1725 RPM Motor.....No. 9342
 Legs, two, for multiple spindle models.....No. 109C867-19
 Leg, one, for 6 spindle units.....No. 109C867-21

20" DRILL PRESS DIMENSIONAL DATA

20" DRILL PRESS	No. 2 Morse Taper Models			No. 3 Morse Taper Models		
	"A" Overall Height	"B" Spindle To Table (max.)	"C" Spindle To Base (max.)	"A" Overall Height	"B" Spindle To Table (max.)	"C" Spindle To Base (max.)
Bench Type W/Production Table	55"	26 $\frac{1}{2}$ "	—	55"	26"	—
Floor Type W/Production Table	74"	36 $\frac{1}{4}$ "	45 $\frac{1}{4}$ "	74"	35 $\frac{3}{4}$ "	44 $\frac{3}{4}$ "
Floor Type W/Tilting Table	74"	35 $\frac{3}{8}$ "	45 $\frac{1}{4}$ "	74"	34 $\frac{3}{8}$ "	44 $\frac{3}{4}$ "





RADIAL DRILL PRESSES

New Improved Models Give You All These Advantages

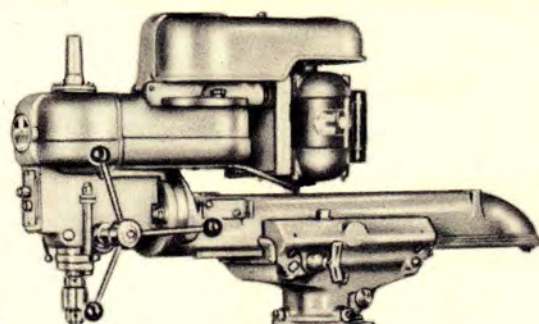
EXTRA DRILLING FLEXIBILITY—you can take the drill head right to the work on multiple drilling operations —head moves in and out over the work area on smooth traveling ram...swivels around the column...tilts 45° right and left and quickly locks in any position.

EXTRA SPEED FLEXIBILITY—built-in Jack Shaft assembly provides 15 different speeds as low as 110 rpm—as high as 8300 rpm... the right speed for every operation.

EXTRA CAPACITY—choice of 4¼" or 6" spindle travel... ram travels 18" to permit drilling to center of a 62" circle... head swings around column for drilling large work that must be kept on the floor.

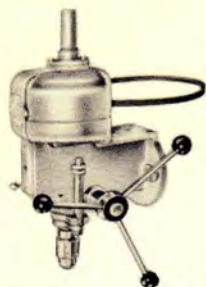
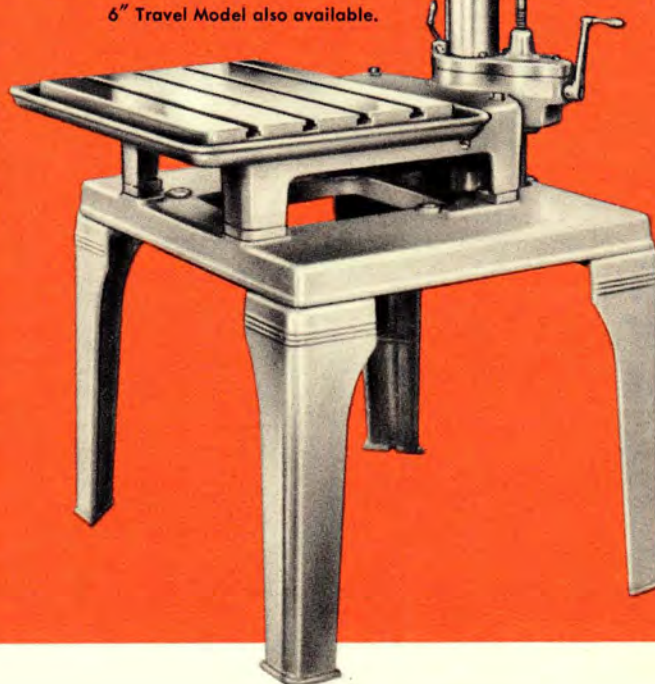
EXTRA SAVINGS—Walker-Turner Radial Drill Presses are low in cost... actually many times lower than comparable heavy, fixed machinery... and are ruggedly built to assure economical operation throughout many years of heavy-duty operation.

Ideal for rapid, precision drilling of large or heavy stock, sheet stock, panels or plywood and for many other drilling operations.



4¼" Spindle Travel Model Shown.

6" Travel Model also available.



RADIAL DRILL HEADS AVAILABLE FOR SPECIAL APPLICATIONS

In many plants, specially mounted Walker-Turner Radial Drill Heads have effectively solved vertical or horizontal, single or multiple, drilling problems. Frequently they function as simultaneous multiple drilling units.

Walker-Turner Radial Drill Heads are available with or without Jack Shaft assemblies. Because of their adaptability, they readily lend themselves to many special applications and set-ups.

SPECIFICATIONS

OVERALL DIMENSIONS

Height	68½"
Width	31"
Depth	58"

COLUMN TO CENTER OF DRILL

Maximum (ram forward)	31"
Maximum (ram back)	13"

CHUCK TO TABLE.....maximum 16½"

QUILL STROKE

1600 series models.....	4¼"
1700 series models.....	6"

CAPACITY

Dia. hole in cast iron.....½"

SPINDLE SPEEDS.....15

SPINDLE SPEED RANGE

With 1740 RPM Motor.....	160 to 8300 RPM
With 1140 RPM Motor.....	110 to 5400 RPM

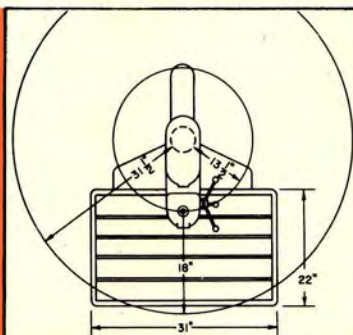
TABLE26" x 18"

another



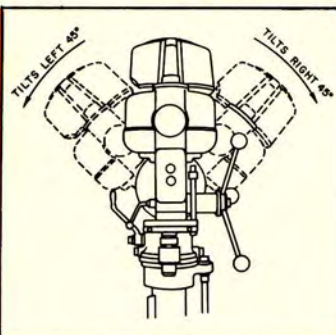
product

RUGGED WALKER-TURNER RADIAL DRILL PRESSES PROVIDE THE PERFORMANCE FEATURES AND VERSATILITY OF MACHINES COSTING MANY TIMES MORE!



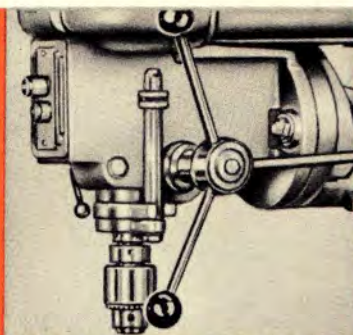
WIDE DRILLING RANGE FOR FULL VERSATILITY

The ram has a big 18" travel that permits drilling to the center of a 62" circle . . . head, ram and cradle swing a full 360° around the column for drilling anywhere on the massive table or on work that must be kept on the floor.



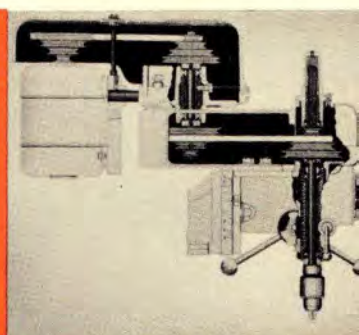
HEAD TILTS FULL 45° RIGHT OR LEFT

Entire drill head assembly readily tilts and securely locks at any angle up to 45° right or left for quick single or multiple angular drilling even on heavy, bulky pieces.



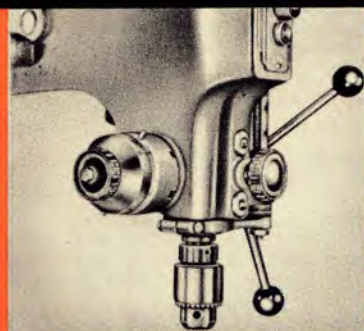
NEW COMPLETELY REDESIGNED HEAD ASSEMBLY

Massive, completely new one piece heads on both the 4 1/4" (illustrated) and 6" spindle travel models feature protective "stop" — shrouded "start" buttons, one point spindle lubrication, quill lock controls and rugged six spline full floating spindles.



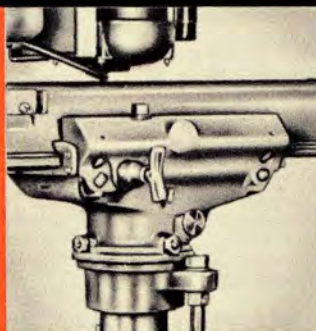
JACK SHAFT ASSEMBLY PROVIDES WIDE MULTIPLE-SPEED RANGE

The built-in ball bearing Jack Shaft assembly provides for easy selection of 15 different speeds from 160 to 8300 rpm with a 1740 rpm motor (110 to 5400 rpm with a 1140 rpm motor). You get full power transmission to the spindle at all speeds and the right speed for every drilling operation.



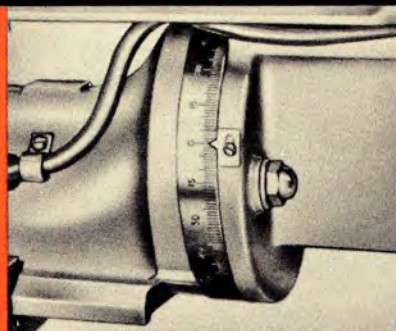
CONVENIENT CONTROLS FOR EXTRA OPERATING EASE

New 6" Spindle travel model has calibrated depth indicator to show exact drill penetration in fractions. Also features a quill lock knob . . . two quill wear adjustment screws and an adjustable spindle return stop control.



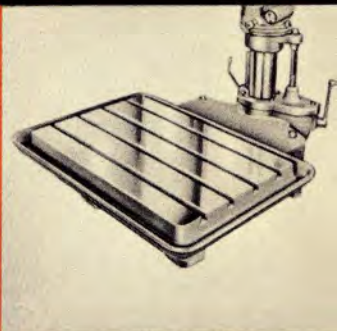
BALL BEARING CONSTRUCTION FACILITATES RAM AND DRILL HEAD MOVEMENT

Rugged cradle supports ram . . . houses eight precision ball bearings which provide effortless ram travel. A ball thrust bearing on the column support collar facilitates swinging of head, ram and cradle.



HEAD TILT ADJUSTMENTS ARE EASILY MADE

Easy-to-read head tilt angle scale permits setting of head at exact angle desired. Double locks—one on each side of head—securely lock head to prevent angle deviation under heavy loads.



MASSIVE TABLE — CONVENIENT HEAD RAISING MECHANISM

Big 26" x 18" cast iron, machined surface table has four "T" slots and oil trough tapped to accommodate 1/2" pipe. Column lock handle is on left side. Handle on right permits rapid raising or lowering of head mechanism.

4 1/4" SPINDLE TRAVEL MODELS

Include head, Jack Shaft assembly, ram, cradle, column, table, push button on-off switch, belt guard, No. 344C9 motor pulley and No. 351-31 belts.

No.	Spindle	Column Length	Ship. Wt.
1611-12	No. 1 M.T.	30"	585
1612-12	No. 2 M.T.	30"	585
1616-12	1/2" KEY CHUCK	30"	585
1611-13	No. 1 M.T.	42"	615
1612-13	No. 2 M.T.	42"	615
1616-13	1/2" KEY CHUCK	42"	615

RADIAL DRILL HEADS ONLY

Include head and one No. 351-31 belt

No.	Spindle Travel	Spindle	Ship. Wt.
1611-10	4 1/4" No. 1 M.T.		60
1612-10	4 1/4" No. 2 M.T.		60
1616-10	4 1/4" 1/2" KEY CHUCK		60
1711-10	6" No. 1 M.T.		60
1712-10	6" No. 2 M.T.		60
1716-10	6" 1/2" KEY CHUCK		60

RADIAL DRILL HEADS WITH JACK SHAFT

Include head, Jack Shaft assembly, belt guard, No. 344C9 motor pulley and No. 351-31 belts.

No.	Spindle Travel	Spindle	Ship. Wt.
1611-11	4 1/4" No. 1 M.T.		65
1612-11	4 1/4" No. 2 M.T.		65
1616-11	4 1/4" 1/2" KEY CHUCK		65
1711-11	6" No. 1 M.T.		65
1712-11	6" No. 2 M.T.		65
1716-11	6" 1/2" KEY CHUCK		65

Note: Above units do not include push button on-off switches.

6" SPINDLE TRAVEL MODELS

Include head, Jack Shaft assembly, ram, cradle, column, table, push button on-off switch, belt guard, No. 344C9 motor pulley and No. 351-31 belts.

No.	Spindle	Column Length	Ship. Wt.
1711-12	No. 1 M.T.	30"	585
1712-12	No. 2 M.T.	30"	585
1716-12	1/2" KEY CHUCK	30"	585
1711-13	No. 1 M.T.	42"	615
1712-13	No. 2 M.T.	42"	615
1716-13	1/2" KEY CHUCK	42"	615

1/2 HP, 115/220V, 60 cy, single phase, 1740 rpm motor. No. 9122

1/2 HP, 220/440V, 60 cy, three phase, 1740 rpm motor. No. 9322

1/2 HP, 220/440V, 60 cy, three phase. 1140 rpm motor. No. 9321

Floor Stand No. 390C49

10' extension cord and plug. No. 396C89

Jack Shaft Assembly, complete with No. 344C9 motor pulley, one No. 351-31 belt and belt guard. No. 16C61-1

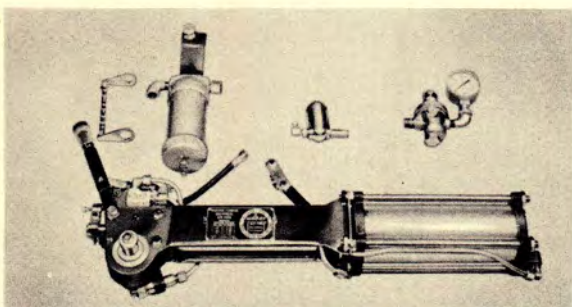
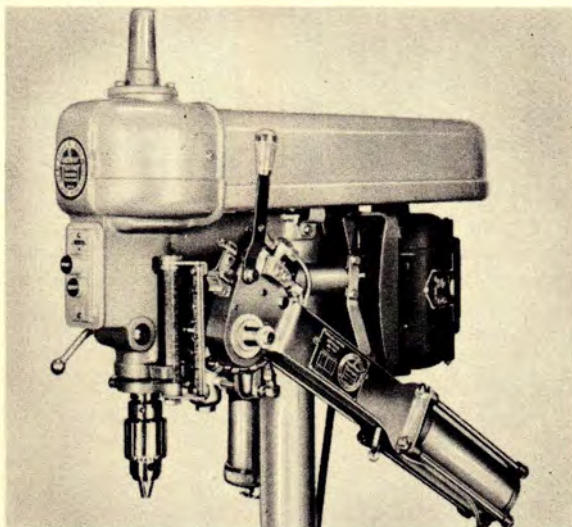
Chuck, 0-1/2", with key No. 281-7

catalog
listing

THESE WALKER-TURNER DRILL PRESS

AIR FEED ATTACHMENTS

Complete Air Feed Attachments are available for quick conversion of Walker-Turner 20" and 4 1/4" or 6" travel, 15" Drill Presses to 100% pneumatic operation. They are economical and efficient in operation needing only minimum pressures to obtain required drill point pressures. A built-in air check valve may be used to control breakthrough. Each Air Feed Attachment may also be adapted to perform secondary operations.

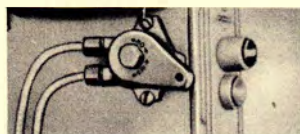


Air Feed Attachment for Walker-Turner 4 1/4" Travel, 15" Drill Press or similar drill presses, has 1/2" drill capacity in cast iron. Contains all necessary parts including air feed cylinder, filter, oiler, mounting brackets, pressure regulator and gauge and step-by-step instruction book for easy installation. **No. 98C12**

Air Feed Attachment, same as No. 98C12 except for Walker-Turner 6" Travel, 15" Drill Press. **No. 98C13**

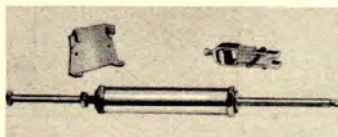
Air Feed Attachment, same as No. 98C12 except for Walker-Turner 20" Drill Press. **No. 98C10**

AIR FEED ACCESSORIES



Shut-Off Valve, shuts off air supply and exhausts cylinder in one quick, easy motion. Readily mounts anywhere on head. Complete with all necessary fittings and instructions. **No. 98C6**

Hydraulic Check Cylinder, for precise speed control and difficult break-through problems. Easily attaches to all models Air Feed Attachments. **No. 98C3123**



Time Dwell Unit, for wherever a dwell is required at end of stroke or where extreme accuracy in depth necessitates the use of a mechanical depth stop. Complete with plunger, depth control stop, all fittings and simple instructions. **No. 98C7**

Foot or Hand Feed Attachment, includes hose, valve fitting, foot control valve. **No. 98C24**

Adapter, required for use with No. 98C24. **No. 98-3131**

Mounting Brackets, for mounting Air Feed to most types 14" Drill Presses. **No. 98C305**

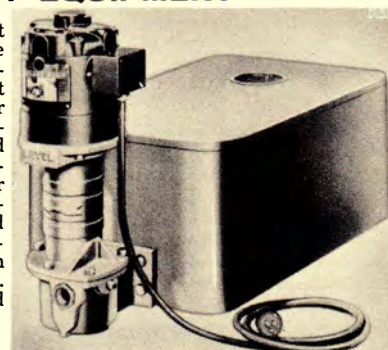
Mounting Brackets, for mounting Air Feed to most types 17" Drill Presses. **No. 98C304**

Mounting Brackets, for mounting Air Feed to Walker-Turner D900 models. **No. 98C306**

ACCESSORIES FOR 15", 20" and RADIAL DRILL PRESSES

COOLANT EQUIPMENT

Use Walker-Turner Coolant Pumps and Tanks to increase the efficiency of your drilling operation. A single unit supplies coolant sufficient for from one to eight spindle setups. Motor is fully enclosed . . . six blade impeller is connected directly to the motor shaft. Fully adjustable coolant controls and flat machined flanges permit use of Walker-Turner Coolant Equipment on most wet machine tools . . . units are drilled and tapped for standard pipe fittings.



Coolant Pump with Cord, Switch and Tank

Coolant Pump for single phase operation. Complete with 1/4 HP, 115 V, 60 cy, AC 1725 RPM Motor. Order No. 189C-4-19 and 395C72 separately. **No. 8904-1501**

Coolant Pump for 3-phase operation. Complete with 1/4 HP, 208-220/440 V, 50/60 cy, AC, 1425/1725 RPM motor. Order No. 189C-4-19 and 395-5915-10 separately. **No. 8904-6801**

Coolant Tank, 16 Gal. capacity, 15 7/8" x 25 7/8" x 11" high, required with either of the above pumps. Has settling basin and wire mesh filter screen to keep coolant free of chips. **No. 189C-4-19**

On-off toggle switch with 3 wire cord and plug, for single phase. **No. 395C72**

Starter, manual, for 3 phase. Specify voltage. **No. 395-5915-10**

DRILL PRESS COOLANT PARTS ASSEMBLY

For equipping Walker-Turner 15", 20" and Radial Drill Presses with coolant pump and tank assemblies. Order one coolant parts assembly for each drill press head.

Coolant Parts Assembly, consists of nozzle, valve, column mounting clamp and flexible hose assembly (for coolant feed line and connection to piping). Coolant piping and table clamps not furnished. **No. 109C751-20**

MORTISING CHISELS AND BITS



Production type, made from high grade steel.

1/4" Hollow Chisel	No. 405C4	1/4" Bit	No. 404C4
3/8" Hollow Chisel	No. 405C6	3/8" Bit	No. 404C6
1/2" Hollow Chisel	No. 405C8	1/2" Bit	No. 404C8

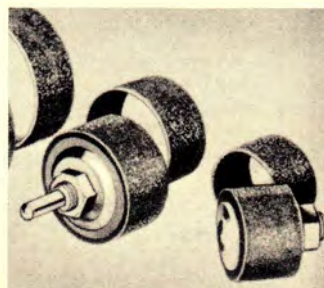
GRINDING SHAPE

For sharpening hollow chisels.

No. 403C1



SANDING DRUMS AND SLEEVES



1 1/2" dia. x 1" Drum, with one sleeve.	No. 406C1
2-3/16" dia. x 1" Drum, with one sleeve.	No. 406C2
3" dia. x 1" Drum, with one sleeve.	No. 406C3

Sleeves, coarse, for No. 406C1. Pkg. 6. **No. 407C11**
 Sleeves, fine, for No. 406C1. Pkg. 6. **No. 407C12**
 Sleeves, coarse, for No. 406C2. Pkg. 6. **No. 407C21**
 Sleeves, fine, for No. 406C2. Pkg. 6. **No. 407C22**
 Sleeves, coarse, for No. 406C3. Pkg. 6. **No. 407C31**
 Sleeves, fine, for No. 406C3. Pkg. 6. **No. 407C32**

ACCESSORIES PROVIDE EXTRA VERSATILITY

ACCESSORIES FOR 15" DRILL PRESSES

SPINDLE ASSEMBLIES

Spindle assemblies can be easily interchanged in seconds to provide additional versatility. *Spindle assemblies may also be interchanged on 4 1/4" or 6" Travel Radial Drill Presses.*

No. 1 M.T. Spindle Assembly, for 4 1/4" travel models, includes spindle, quill, bearings and bearing collar. **No. 12A3-1**

No. 2 M.T. Spindle Assembly, for 4 1/4" travel models, includes spindle, quill, bearings and bearing collar. **No. 12A3-2**

0-1/2" Key Chuck Spindle Assembly, for 4 1/4" travel models, includes spindle, quill, bearings and bearing collar. **No. 12A3-6**

No. 1 M.T. Spindle Assembly, for 6" travel models, includes spindle, quill, bearings and bearing collar. **No. 13A3-1**

No. 2 M.T. Spindle Assembly, for 6" travel models, includes spindle, quill, bearings and bearing collar. **No. 13A3-2**

0-1/2" Key Chuck Spindle Assembly, for 6" travel models, includes spindle, quill, bearings and bearing collar. **No. 13A3-6**



SPINDLE ADAPTERS

May also be used on 4 1/4" or 6" Travel Radial Drill Presses.

Adapter, permits using No. 1 M.T. drills on machines supplied with 0-1/2" Key Chuck, with drift key. **No. 280C12**

Adapter, permits using 0-1/2" Key Chuck on machines supplied with No. 1 M.T. Spindle. **No. 280C10**

Adapter, permits using 0-1/2" Key Chuck on machines supplied with No. 2 M.T. Spindle. **No. 280-7**



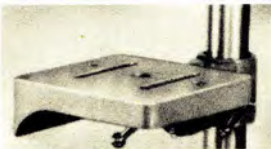
No. 280-7



No. 281-7

0-1/2" Key Chuck, with key. **No. 281-7**
0-1/2" Key Chuck with key and draw collar (same as supplied with drill presses with 1/2" Key Chucks). **No. 281-18**

TABLES



No. 13C30



No. 12C31

Standard Tilting Table for bench or floor models. Tilts 45° right or left . . . graduated scale indicates tilt angle. Has 10 x 10" ground work surface. **No. 12C30**

Deluxe Tilting Table, for bench or floor models. Has 10 x 10" ground work surface, tilts 45° right or left, graduated scale indicates tilt angle. One side of table is accurately machined 90° to the table surface. **No. 13C30**

Utility Table, for bench or floor models. Has 12 1/4 x 10" ground work surface. **No. 12C29**

Production Table, for floor models. Has 10 x 12" ground work surface and sump at back right tapped to accommodate 1/2" pipe. **No. 12C31**

See 15" Drill Press Components (page 9) for complete list of single and multiple spindle production tables.



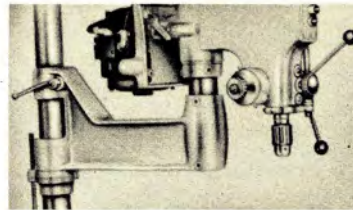
RAISING MECHANISM

For raising and lowering heads or tables. Permits free swinging of both tables and heads. Has large crank and precision cast gears. **No. 12C37**

FOOT FEEDS

Foot Feed, for 4 1/4" travel floor models. Consists of foot pedal, rods, mounting brackets and heavy-duty spring. **No. 12C51**

Foot Feed, same as No. 12C51 except for 6" travel floor models. **No. 13C51**



EXTENSION ARM

Converts 15" models to 24" drill presses! Utilizes double column principle, as illustrated, to provide extra large capacity while retaining stability. **No. 12C50**

SLOW SPEED ATTACHMENT



Provides 10 speeds from 165 to 6750 RPM. Attaches to motor mounting plate on 4 1/4" travel models. **No. 12C52**

Motor Plate Assembly, required for mounting Slow Speed Attachment on 6" travel models. **No. 12C18-2**

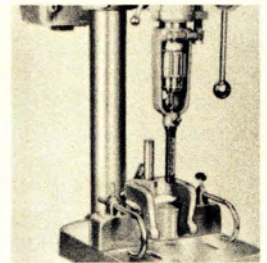
MORTISING ATTACHMENTS

May also be used on 4 1/4" or 6" Travel Radial Presses.

Mortising Attachment, for 4 1/4" travel models. Readily clamps to quill in place of depth gauge collar. **No. 12C100**

Mortising Attachment, same as No. 12C100 except for 6" travel models. **No. 13C100**

Hold-Down and Guide, for 4 1/4" or 6" travel models. Readily adjusts for various sizes of work. **No. 12C101**



ACCESSORIES FOR 20" DRILL PRESSES

SPINDLE ASSEMBLIES

Spindle assemblies can be easily interchanged in seconds to provide additional versatility.

No. 2 M.T. Spindle Assembly, includes spindle, quill, bearing and bearing collars. **No. 11A12**

No. 3 M.T. Spindle Assembly, includes spindle, quill, bearing and bearing collars. **No. 11A13**

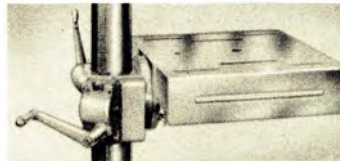
SPINDLE ADAPTERS

Adapter, permits using 0-1/2" Key Chuck on machines supplied with No. 2 M.T. Spindle. **No. 280-7**

Adapter, permits using 0-1/2" Key Chuck on machines supplied with No. 3 M.T. Spindle. **No. 280-13**

0-1/2" Key Chuck, with key. **No. 281-7**

TABLES



Tilting Table, for single spindle floor models. Tilts 45° right or left, graduated scale indicates tilt angle. One side of table is accurately machined 90° to the table surface. Has 16"x18" ground work surface. **No. 11C30**

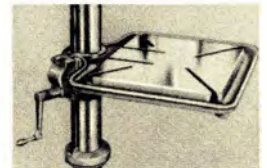
Production Table, same as furnished with single spindle floor models. Has 15x18" ground work surface with 4 diagonal and 2 parallel blind T-slots for 1/2" bolts. **No. 11C31**

See 20" Drill Press Components (page 12) for a complete list of bench and multiple spindle production tables.

RAISING MECHANISM

For raising and lowering head or table. Fits tables No. 11C30 and 11C31 or 20" Drill Press heads. Includes ball bearing thrust collar, rack, gear assembly and crank. **No. 11C37**

No. 11C31 Production Table with No. 11C37 Raising Mechanism. 

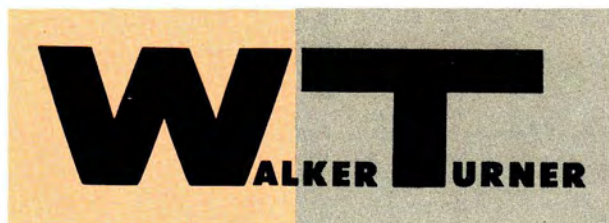


MORTISING ATTACHMENT

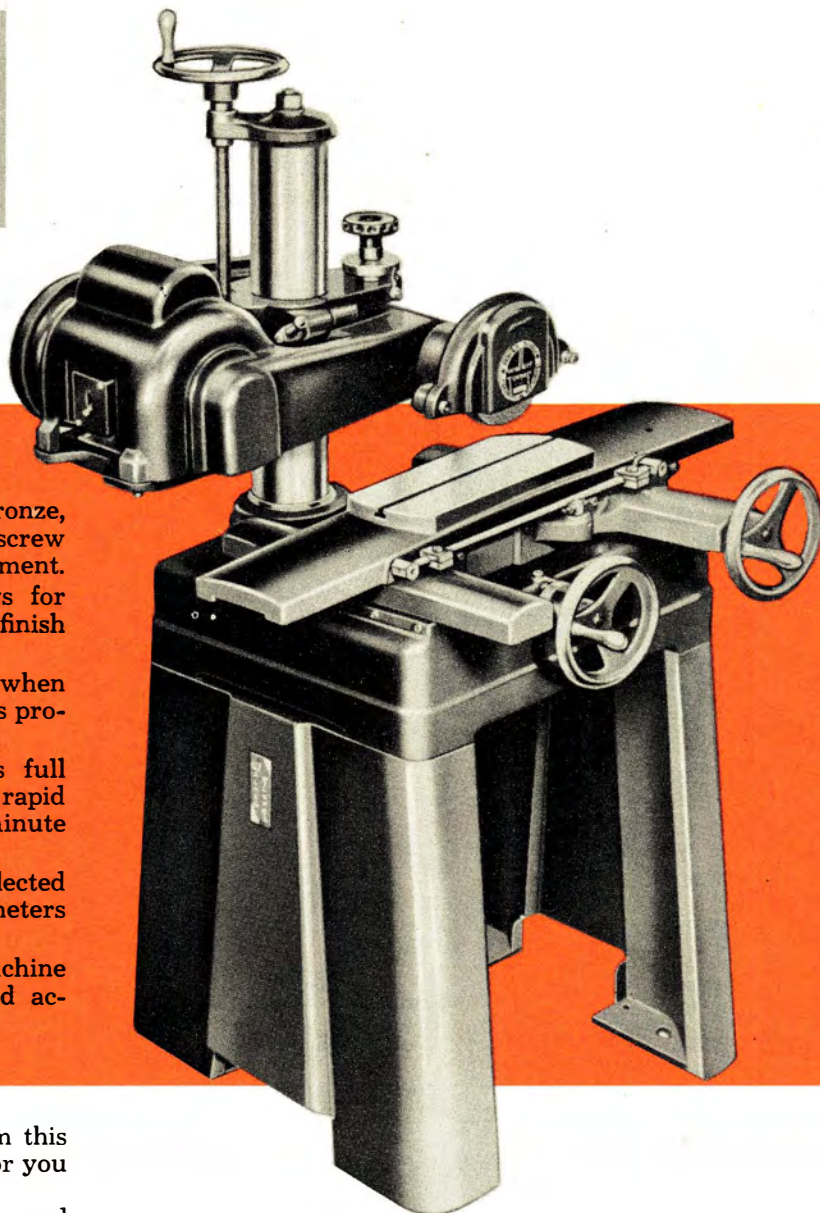
Mortising Attachment, readily clamps to quill in place of depth gauge collar. **No. 11C100**

Hold-Down and Guide, readily adjusts for various sizes of work. **No. 12C101**





SURFACE GRINDER



GIVES YOU . . .

PRECISION SPINDLE CONSTRUCTION—Pre-tested bronze, ring oiling bearing . . . non backlash vertical feed screw in spindle housing . . . easy vertical spindle adjustment.

TRUE SURFACE LONGITUDINAL SLIDE—Long ways for extra solidity . . . guaranteed true surface is finish ground by its own spindle.

LOCKABLE CROSS SLIDE—Can be locked to base when transverse travel is not required . . . canvas covers protect transverse screw.

FULL SWIVEL COLUMN—Husky column swivels full 360°. Large handwheel at top of column permits rapid vertical adjustment . . . micrometer screw for minute adjustments.

DYNAMICALLY BALANCED PULLEYS—Specially selected and fully machined for concentricity of pitch diameters with bore.

BALANCED MOTOR—Motor, motor pulley and machine are balanced together for extra smoothness and accuracy.

Wherever you have a precision grinding problem this Walker-Turner Surface Grinder will do the job for you accurately and quickly at lower cost.

Because it is portable and versatile, it can be used everywhere . . . in the model shop . . . experimental department . . . toolroom or right in the production line. Frequently Walker-Turner Surface Grinders entirely eliminate the need for heavy, expensive equipment.

Convenient, easy-to-operate controls permit simple set-up and operation by male or female, experienced or beginner operators. In addition, Walker-Turner quality

construction assures years of heavy-duty precision performance.

And you can do three precision grinding operations with one basic Walker-Turner Surface Grinder.

SPECIFICATIONS

OVERALL DIMENSIONS

Width	34"
Front to rear	33"
Height	65½"

CAPACITIES

Maximum surface that can be ground	6 x 13½"
Maximum space under 7" wheel to table	11½"
Maximum diameter of cutter that can be sharpened between centers of *Grinder Attachment:	
With cup wheel	8"
With dish wheel	10"
Maximum diameter of saw blade that can be sharpened held in *Unihead	16"

SPINDLE SPEEDS WITH 2-STEP V PULLEY

With 1725 RPM motor	3200 and 4200 RPM
With 1425 RPM motor	2700 and 3500 RPM

TABLE

Longitudinal travel by rack and pinion	13½"
Transverse travel by Acme thread screw	.7"
Transverse travel, one graduation	.001"

Transverse travel, one complete turn of hand wheel	.100"
Surface Area	5¾ x 13"
T-slot for ¾" T-bolts	7/16"

COLUMN

Diameter	4"
Swivel	360°

VERTICAL HEAD ADJUSTMENT

Positioned to work by Acme thread screw	
Micrometer head adjustment:	
Maximum travel	¾"
One graduation	.0005"

WHEELS USED (1¼" hole)

Size of straight wheel	7 x ½"
Size of cup wheel	4 x 1½"
Size of dish wheel	6 x ½ x 5/16"

*Not furnished as standard equipment.

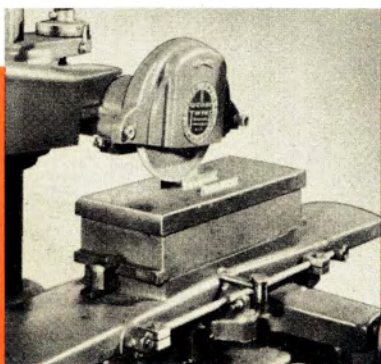
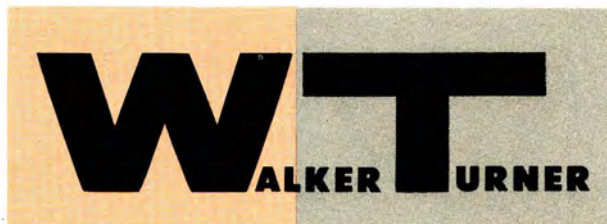
another



product

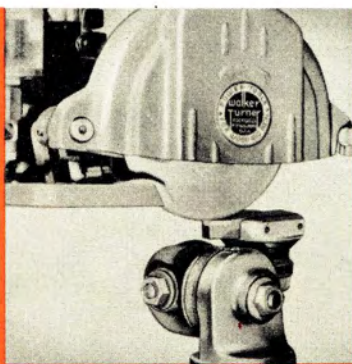
CUT MACHINERY COSTS!

**One Low Cost Walker-Turner Surface
Grinder Performs Three Important
Operations**



IT'S A SURFACE GRINDER!

Performs standard surface grinding operations quickly and effectively with a minimum of investment and floor space. Has big 11½" capacity under a 7" wheel. (Magnetic chuck shown not sold by us).



IT'S A CHIP-BREAKER GRINDER!

Accurately grinds the chip-breaker groove in carbide tipped tools. Univise attachment (No. 173C102-19), holds the tool at any desired angle and set-ups can be exactly duplicated. Also required: Coolant Attachment (No. 173C106-20).



IT'S A TOOL AND CUTTER GRINDER!

Sharpens straight and angular small tools and cutters. Illustrations show just a few of many applications.

1. **MILLING CUTTER** — Required accessories: Grinder Attachment with Center (No. 173C150-20) and Unihead (No. 173C225-20).
2. **TAPER REAMER** — Required accessory: Grinder Attachment (No. 173C150-20).
3. **SAW BLADE** — Required accessories: Grinder Attachment (No. 173C150-20) and for blades over 10", Unihead (No. 173C225-20).

catalog listing

BASIC MACHINES

Surface Grinder For Single Phase Operation: Includes: 2-step spindle pulley, 2¾" in diameter; 2-step motor pulley, 5½" in diameter, ½" bore; V-belt; guard for belt; guard for straight wheel; motor cover; No. 173C48-19 wheel adapter; holder for diamond-pointed wheel dresser; three hand wheels; wrenches (spanner, box and hexagon); pair of legs; and 115/230 V, 60 cy, AC, balanced motor (includes switch and 8'-115 volt cord set with 3 prong plug and adapter. 767 lbs. **No. 7323-3101**

Surface Grinder For Three Phase Operation: Same as No. 7323-3101 except includes 208-220/440 V, 50/60 cy, AC, balanced motor instead of motor listed above. Without starter for motor. 761 lbs. **No. 7323-6401**

SWITCHES

Manual Starter, size O, across-the-line type. Recommended for No. 7323-6401 Grinder. Specify motor voltage when ordering. 6 lbs. **No. 395C5915-10**

Magnetic Starter, size O, across-the-line type, for 60 cy, 440 V only. Recommended for No. 7323-6401 Grinder. 6 lbs. **No. 395C5916-10**

Magnetic Starter, size O, across-the-line type, for 60 cy, 208-220 V only. Recommended for No. 7323-6401 Grinder. Specify motor voltage when ordering. 6 lbs. **No. 395C5917-10**

Motor Replacement Group for Single Phase operation. Consists of motor, 2-step motor pulley 5½" in diameter, and V-belt (351-40) balanced together for Surface Grinder. 43 lbs. **No. 9122-A-3101**

Motor Replacement Group for Three Phase operation. Consists of motor, 2-step motor pulley 5½" in diameter, and V-belt (351-40) balanced together for Surface Grinder. 35 lbs. **No. 9322-A-6401**

ACCESSORIES

Adapter for wheels with 1¼" hole. Includes collar for straight wheels up to ½" wide, 4 x 1½" cup wheels, and 6 x ½ x ¼" dish wheels. Extra collar supplied for 3½" x 1½" cup wheels. Same as adapter supplied with machine. Order an extra adapter for each kind of wheel to be used to eliminate centering and dressing wheel each time wheel is changed. 2 lbs. **No. 173C48-19**

Diamond-pointed Wheel Dresser, with 7/16 x 2" body. ½ lb. **No. 173C78-20**

Univise. 17 lbs. See Page 23 for complete information. **No. 173C102-19**

Coolant Attachment. 3 lbs. See Page 23 for complete information. **No. 173C106-20**

Tool and Cutter Grinding Attachment. 84 lbs. See Page 23 for complete information. **No. 173C150-20**

Unihead. 28 lbs. See Page 23 for complete information. **No. 173C225-20**

Attachment Package for Dust Collector. 19 lbs. See Page 22 for complete information. **No. 188C6-20**

Lamp Attachment, goose neck type with cord and plug for attaching to 115 V, single phase line. Can be adjusted to grinding point and has built-in stop to avoid excessive twisting of wires. 4 lbs. **No. 173C61-20**

Wheel, 7 x ½", aluminum oxide, 1¼" hole, for soft material, balanced to within 1/10 inch ounce. 2 lbs. **No. 171-155**

Wheel, 7 x ½", aluminum oxide, 1¼" hole, for hard material, balanced to within 1/10 inch ounce. 2 lbs. **No. 171-156**

Spindle Oil, Velocite-E. ½ pt. can. **No. 99-50**

Note: See Page 22 for Dust Collectors for use with Surface Grinder.

another



product



7" STANDARD GRINDER

The rugged Walker-Turner 7" Standard Grinder is engineered to save you time and money. Quality Walker-Turner Construction means continuous accuracy through years of use in all types of grinding operations. This grinder is designed for maximum safety and never forgets its goggles.

Their low cost permits use of Walker-Turner 7" Standard Grinders right where they are needed throughout your shop . . . reducing costs . . . increasing production for you.

CHECK THESE OUTSTANDING QUALITY FEATURES:



RUGGED CONSTRUCTION

Compact motor has extra long shafts for extra grinding clearance . . . double sealed, lubricated-for-life ball bearings keep out harmful abrasive dust . . . oval shaped end bells provide rigid shaft support.



COMPLETE OPERATOR PROTECTION

Twin-Lite, double strength, shatterproof safety shields guard operator and provide light where it is needed on the sides and face of the wheels.



ACCURATELY GROUND TOOL RESTS

Machined, rigid tool rests are fully adjustable for angle grinding . . . ledges permit grinding on both sides and face of wheel for full versatility and prolonged wheel life.

ADDITIONAL SAFETY FEATURES:

Grinder is designed so that only the working portion of each wheel is exposed. Heavy cast iron guards, removable steel side plates, adjustable spark deflectors and integral dust chutes provide maximum operating safety.



SPECIFICATIONS

catalog listing

Floor Model

Base.....14 $\frac{1}{4}$ " x 16"
Width.....23 $\frac{3}{4}$ "
Depth.....15"
Height.....47 $\frac{1}{2}$ "
Tool rest from base.....40"
Wheels.....7" dia, 1" face, $\frac{5}{8}$ " hole

Bench Model

Base.....8 $\frac{1}{2}$ " x 8 $\frac{1}{2}$ "
Width.....23 $\frac{3}{4}$ "
Depth.....11"
Height.....13 $\frac{3}{4}$ "
Tool rest from base.....6 $\frac{3}{8}$ "

STANDARD EQUIPMENT—All models include a water pot, Twin-Lite safety shields, four lamp

bulbs, wheel guards, tool rests and two wheels.

FLOOR MODEL

No.	Motor Description	Speed RPM	Motor Switch	Shipping Weight
7123-3102	$\frac{1}{2}$ HP, 115/230 V, 60 cy, Single Phase	1725	Toggle	161
†7123-2401	$\frac{1}{2}$ HP, 208-220/440 V, 50/60 cy, 3 Phase	2850/3450	*Relay	181
††7123-4401	$\frac{1}{2}$ HP, 208-220/440 V, 50/60 cy, 3 Phase	2850/3450	*Relay	181

BENCH MODEL

No.	Motor Description	Speed RPM	Motor Switch	Shipping Weight
7122-3102	$\frac{1}{2}$ HP, 115/230 V, 60 cy, Single Phase	1725	Toggle	95
7122-3101	$\frac{1}{2}$ HP, 115/230 V, 60 cy, Single Phase	3450	Toggle	95
*7122-6401	$\frac{1}{2}$ HP, 208-220/440 V, 50/60 cy, 3 Phase	2850/3450	*None	95

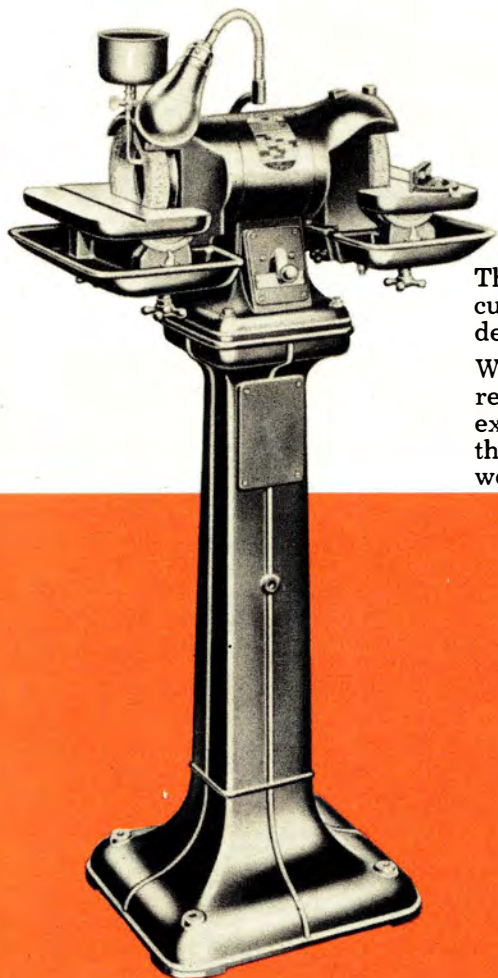
Bench Models may be converted to Floor Models by purchasing No. 171C40-19 Pedestal.

Dust collector available. See listing for complete information.
*When manual starter with overload protection is desired use No. 395-5915-10 Manual Starter.
Specify grinder catalog number and voltage when ordering starter.
*Separate toggle switch and 8' power cord with plug are furnished for Twin-Lites.
†Has thermal elements and wiring for 220 V operation.
††Has thermal elements and wiring for 440 V operation.
NOTE—All single phase machines are complete with 8'-115 volt cord set with 3 prong plug and adapter to insure proper grinding.

ACCESSORIES

Pedestal for 7" Standard Grinder may be ordered separately. 80 lbs. No. 171C40-19
Diamond Pointed Wheel Dressing Tool. 1 lb. No. 499-5
Holder for Diamond Wheel Dresser. 1 lb. No. 104C127-20
Plane Blade Grinding Attachment. No. 171C121-20
Drill Grinding Attachment. No. 104C147-19
Gravity Type Dust Collector. No. 171C75-19





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ALKER TURNER

6" TOOL GRINDER

The Walker-Turner 6" Tool Grinder is a low cost, vibration-free grinder accurate enough to do the most delicate grinding . . . rugged enough for the most demanding operation. It is built to provide years of trouble free operation.

Whether your shop is large or small, Walker-Turner 6" Tool Grinders will reduce costs—increase production for you. Use them in your toolroom . . . experimental department . . . along side your production machines . . . wherever there is a demand for economical precision grinding of carbide tipped tools as well as high speed steel or carbon steel.

GIVES YOU THESE "MORE FOR YOUR MONEY" FEATURES



Cast iron tables ride on widely-spaced trunnions providing rigid support for every operation . . . tilt 30° in and 45° out for full grinding angle range . . . 1/2 x 3/16" table grooves permit attachment of jigs and fixtures.



Grinder is complete with efficient coolant assembly, that can be used with either wheel and adjustable lamp that can be swung to any position.



Convenient, up front six pole reversing switch instantly reverses wheel rotation, permitting grinding only on the downward motion of the wheel if desired.

PLUS FEATURES FOR OUTSTANDING PERFORMANCE:

- **STURDY CAST IRON MITER GAUGE** with adjustable face plate is standard equipment.
- **LARGE COOLANT PANS** are easily removed, have alignment keys that fit into keyways on grinder providing perfect table alignment.
- **HAND BRAKE** permits quick stop.
- **EASY-TO-READ TILT ANGLE SCALE** in front and back assures accurate table adjustment—precision grinding.
- **DYNAMICALLY BALANCED ALUMINUM WHEEL FLANGES** are drilled for mounting either silicon carbide or diamond wheels.
- **HEAVY DUTY MOTOR** is fully enclosed and sealed-for-life to assure trouble-free operation.

SPECIFICATIONS

catalog listing

Height48"
Width28"
Depth14"
Tables13" x 7"
Tables have 1/2 x 3/16" groove and tilt 30°

FLOOR MODEL

6" Tool Grinder with 1 lamp attachment, 1 water pot assembly, 1 miter gauge, 1 each 60 and 120 grit, 1 x 6" silicon carbide wheels (for grinding carbide tipped tools), reversing switch and 1/2 HP, 115 V, 60 cy., 3450 RPM, single phase motor. 211 lbs. **No. 7223-3101**

BENCH MODEL

6" Tool Grinder with 1 lamp attachment, 1 coolant assembly, 1 miter gauge, 1 each 60 and 120 grit, 1 x 6" silicon carbide wheels (for grinding carbide tipped tools), reversing switch and 1/2 HP, 115 V, 60 cy., 3450 RPM, single phase motor. 140 lbs. **No. 7222-3101**

Same as above with 1/2 HP, 208-220/440 V, 50/60 cy., 2850/3450 RPM, 3-phase motor. 140 lbs. **No. 7222-6401**

toward and 45° away from wheel.
Wheels: 1 x 6" with 1" face, 1 1/4" hole. Plate mounted.
Base.....14 x 16"

Bench models may be converted to floor models by purchasing No. 171C40-19 pedestal.

ACCESSORIES

Pedestal for Grinder. 80 lbs. **No. 171C40-19**
Miter Gauge. 4 lbs. **No. 172C4-19**
Water Pot with Faucet. 5 lbs. **No. 172C61-21**
Diamond Pointed Wheel Dressing Tool. 1 lb. **No. 499-5**
Holder for Diamond Wheel Dresser. 1 lb. **No. 104C127-20**



WALKER TURNER

6" BENCH GRINDER



Here is a low-cost, all around grinder that features cast iron wheel guards, adjustable spark guards, steel end plates and fully adjustable tool rests plus many more quality features.

Constructed throughout for years of trouble free operation, the Walker-Turner 6" Bench Grinder is safety-engineered so that only the grinding area actually being used is exposed. A precision ground shaft, balanced grinding wheels and sealed-for-life ball bearings assure accurate grinding, polishing and buffing. Special fully adjustable eyeshields are also available.

Their low cost permits you to place Walker-Turner 6" Bench Grinders throughout your shop...putting grinders right where they are needed...increasing production for you.



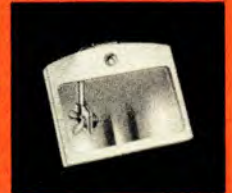
EXTRA SAFETY

Safety designed guards expose only necessary work areas. Spark guards and adjustable tool rests provide additional safety and operating ease.



EXTRA CONVENIENCE

Small diameter motor and extended end bells mean additional workability. Even golf clubs can easily be buffed.



EXTRA PROTECTION

Fully adjustable, easy to mount eyeshields are available complete with mounting bracket and screws...adjust up and down, left and right.

SPECIFICATIONS

Overall dimensions:

Left to right	
With eyeshields	20"
Without eyeshields	18"
Height	9"
Front to rear	8"
Shipping Weight	42 lbs.

Basic Machine: 6" Bench Grinder with wheels and spark guards, tool rests, motor switch, 8'-115 Volt cord set with 3 ground plug and adapter,

Size of wheel	6" dia., 3/4" wide, 1/2" hole
Wheel Flange diameter	2 1/2"
Center to center distance between wheels	14 5/8"
Arbor	7/8" dia.—ends threaded 1/2" —20 left and right
Speed	3450 rpm
Motor	1/4 hp, 115 V., 60 cy., AC, 1 ph.

and one each 36 and 60 grit wheels. (Does not include eyeshields).

No. 7132-1101

Eyeshields, one pair with brackets and screws.

No. 170C204-20

catalog listing

METAL DUST COLLECTOR

Protects Machinery... Guards Health... Improves Efficiency

The low cost Walker-Turner Metal Dust Collector is a self-contained portable unit that will efficiently collect fine and coarse metal dust keeping the harmful dust off expensive machinery as well as protecting the machine operator's health.

This Dust Collector is universal in application with openings so located that it can be attached to all types of abrasive units. Its many features include a husky pressed steel cabinet, large door at back for easy access to filter, an efficient squirrel type fan and a 1/3 HP lubricated-for-life ball bearing motor contained in a separate dust proof compartment. Unit measures 21" x 22" x 28" high.

Attachment packages are available (see listing) for direct connection to the Walker-Turner Surface Grinder and 7" Standard Grinder. Fittings are also available for connection to other abrasive units.

CATALOG LISTING

DUST COLLECTOR FOR SINGLE PHASE OPERATION—Complete with 8' cord with plug and 1/3 HP, 115/230V, 60 cy, 1 ph, 3450 RPM motor. 120 lbs. No. 8813-3101

DUST COLLECTOR FOR THREE PHASE OPERATION—Complete with 8' cord with plug and 1/3 HP, 220/440V, 50/60 cy, 3 ph., 2850/3450 RPM motor. 120 lbs. No. 8813-6401

Note: This Dust Collector is not suitable for collecting shavings, saw dust, etc.

Accessories

Extra Standard Filter, 8 lbs. No. 188C36-21

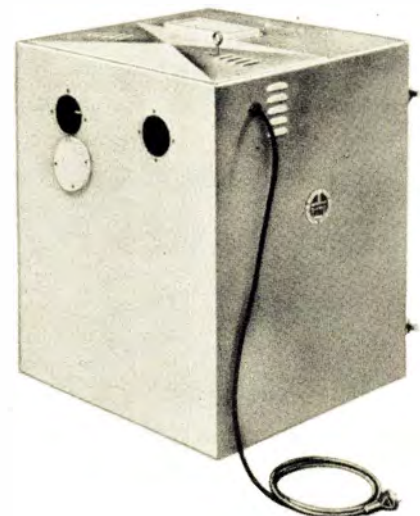
Filter Pad Holder with two expanded Filter Pads. 7 lbs. No. 188C36-20

Twenty-four Expanded Fiber Filter Pads in carton. For fine dust. 15 lbs. No. 188C36-22

Attachment Packages

Surface Grinder Attachment. 19 lbs.

No. 188C6-20



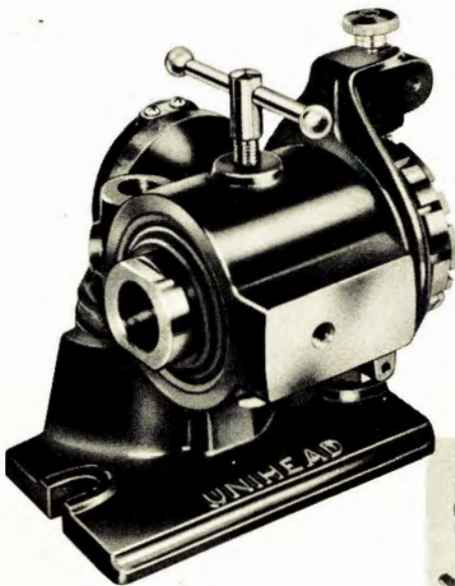
7" Standard Grinder Attachment. 8 lbs.

No. 188C7-20

Note: Flexible Rubber Hose Connection Fittings, Cast Iron Flanges and Hose Clamps are also available for attachment to various other types of abrasive units. Request additional information.

UNIHEAD

FULLY ADJUSTABLE WORK HEAD
WITH RAPID INDEXING FEATURE



No. 173C170-19

You can do saw blade and cutter grinding and sharpening accurately and quickly with the aid of this unit. Can be used with the Surface Grinder and other types of machines. Unihead consists of heat treated sleeve with a No. 9 Brown and Sharpe taper accurately mounted in lubricated-for-life ball bearings, and an adjustable index stop collar and dog that can be disengaged or set in any convenient position.

Furnished with a 12 tooth index collar with selector plate that permits the dog to automatically engage 2, 3, 4, 6 or 12 equal selected spaces. Has swivel bracket with 360° graduation and base with removable keys that engage table. Can be used with Tool and Cutter Grinder Attachment

No. 173C150-20

CATALOG LISTING

Unihead with 12 tooth collar with selector plate to engage 2, 3, 4, 6 or 12 selected equal spaces. 27 lbs. No. 173C225-20
For information on Tooth Stop unit (not furnished with Unihead) see listing below.

INDEXING COLLARS

Indexing collars cover a wide range of combination spacing and should be ordered separately as required.

36-tooth plain collar for 2, 3, 4, 6, 9, 12, 18 and 36 equal spaces. ¾ lb. No. 173C237-20

34-tooth plain collar for 17 and 34 equal spaces. ¾ lb. No. 173C238-20

33-tooth plain collar for 3, 11 and 33 equal spaces. ¾ lb. No. 173C239-20

32-tooth plain collar for 2, 4, 8, 16 and 32 equal spaces. ¾ lb. No. 173C240-20

30-tooth plain collar for 3, 5, 6, 10, 15 and 30 equal spaces. ¾ lb. No. 173C241-20

28-tooth plain collar for 4, 7, 14 and 28 equal spaces. ¾ lb. No. 173C242-20

26-tooth plain collar for 13 and 26 equal spaces. ¾ lb. No. 173C243-20

24-tooth plain collar for 2, 3, 4, 6, 8, 12 and 24 equal spaces. ¾ lb. No. 173C249-20

Blank collar. ¾ lb. No. 173C244-20

TOOTH STOP UNIT

Consists of 1 bracket, 2 bars, 1 clamp and tooth stop with 2 fingers (this unit is furnished with Tool and Cutter Grinder Attachment Cat. No. 173C150-20) 5 lbs. No. 173C170-19



UNIVISE

RIGID, MASSIVE VISE THAT
CAN BE SET AT ANY ANGLE



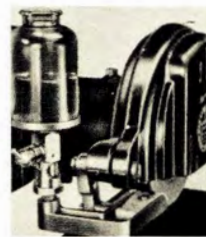
The Univise is a ruggedly built universal vise ideal for grinding, drilling and milling operations. It is composed of four separate parts, each of which can be rotated and independently set to permit settings at any angle desired. Each part has a 360 degree scale and each station is marked so that simply by recording the various settings errors are eliminated. This means settings can easily and quickly be made right from blueprints.

The Univise is 5 13/16" high, 6" wide and 7 1/4" long and the jaws take up to 1 1/2" tools. Two of the parts rotate a full 360 degrees. It is versatile enough to fit any surface or tool grinder and has detachable keys in the base to permit its use on a magnetic chuck, drill press or other machine without table slots.

Univise Complete 16 lbs.

No. 173C102-19

WALKER-TURNER COOLANT ATTACHMENT

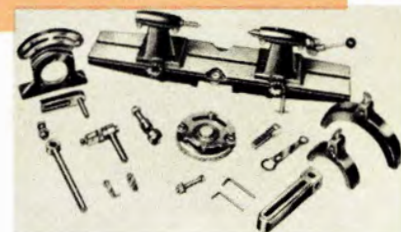


It is essential that the resinoid bonded diamond wheels used in chip-breaker grinding be kept cool to assure prolonged wheel life and efficiency. An efficient Walker-Turner Coolant Attachment will provide just the proper amount of coolant for this operation. The unit is readily adjustable to different size wheels and can be easily and quickly removed if necessary. An adjustable double purpose wick regulates the amount of coolant brought to the wheel and also helps keep the wheel clean. Coolant Attachment, complete. Weight 3 lbs.

Cat. No. 173C106-20

GRINDER ATTACHMENT

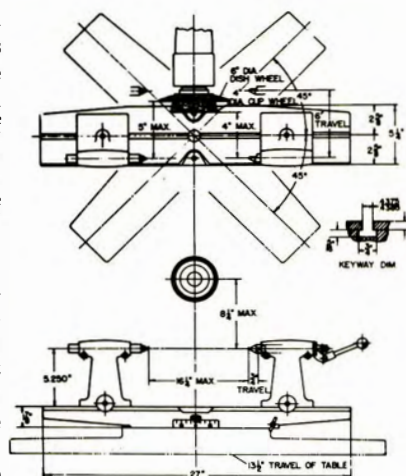
PERMITS PROFESSIONAL TOOL AND CUTTER GRINDING ON THE WALKER-TURNER SURFACE GRINDER



This precision engineered grinder attachment converts the Walker-Turner Surface Grinder to an effective tool and cutter grinder. Many types of small tools and cutters can be held and accurately and quickly sharpened with the aid of this unit.

Consists of swivel table with head and tail stocks and No. 173C170-19 tooth stop unit, 2 wheel guards and support bracket. For use on Nos. 7323-3101 and 7323-6401 Surface Grinders. Weight 82 lbs.

No. 173C150-20



WALKER TURNER

CUT-OFF MACHINES



8120 High Speed
Abrasive Cut-Off Machine



8320 High Speed
Cut-Off Saw

Walker-Turner Cut-Off Machines can save you time and money wherever you require rapid, precision cutting of materials. Use them to *replace slower hand or power sawing methods in your operation!*

Choose the machine right for your operation

The Walker-Turner High Speed Abrasive Cut-Off Machine quickly and accurately cuts all types of ferrous metals in bar, rod or tubing stock. *Even hardened steel can be quickly and accurately cut.*

The Walker-Turner High Speed Cut-Off Saw saves time and money in cutting non-ferrous metals, woods or plastics.

Both machines are similar — only the work holding devices are different. They can be readily converted from one type cutting operation to the other with the parts packages available as accessories.

These "Light-Heavyweights" are ruggedly built for continuous cutting accuracy in every operation. Powerful triple V-belt drive, 3 HP motors assure faster, truer, cleaner cuts . . . frequently eliminating finishing operations.

Heads on all models are factory mounted at 90° or 45°, or you can readily change them to either angle right in your shop.

SPECIFICATIONS

OVERALL DIMENSIONS

Height.....54½".....Width 27".....Depth 33"

CAPACITIES:

HIGH SPEED ABRASIVE CUT-OFF MACHINE (Ferrous)

Round bar1¼" dia.
Tubing3" dia.
(when cutting with new wheel)

HIGH SPEED CUT-OFF SAW (Non-ferrous)

Round bar1½" dia.
Tubing3" dia.

SPEEDS (with 1725 rpm motor)

3.720 RPM11,710 FPM
Blade or Wheel diameter (maximum)12"
Arbor hole1"
Drivematched set of 3 V-belts
Table Surface17 x 22¾"
Table Height35½"
Table drilled for mounting head at 45° degrees if desired.

catalog listing

High Speed Abrasive Cut-Off Machine (for ferrous metals), includes 3 HP, 1725 RPM, 3 phase, 60 cy., 220 or 440 V, (specify voltage when ordering) motor; 3 No. 353A-45-3 V-belts, No. 341-52 motor pulley, magnetic motor starter, floor stand, "V" blocks and work clamp. Without abrasive wheel. **No. 8120**

High Speed Abrasive Cut-Off Machine (for ferrous metals) with table. Same as No. 8120 but less floor stand and motor starter. **No. 8110**

High Speed Cut-Off Saw (for wood, plastic and non-ferrous metals), includes 3 HP, 1725 RPM, 3 phase, 60 cy., 220 or 440 V, (specify voltage when ordering) motor; magnetic motor starter, floor stand, fence (adjusts for 45° or 90° cutting), chip guard, 3 No.

353A-45-3 V belts, No. 341-52 motor pulley, and valve linkage assembly. Without saw blade. **No. 8320**

Air Operated High Speed Cut-Off Saw (for wood, plastic and non-ferrous metals) same as No. 8320 but includes No. 83C46 Air Feed Unit and No. 83C41 Mist Coolant Unit. These attachments are in place and machine is ready to operate. **No. 8320-2**

Abrasive Cutting Parts Package for converting No. 8320 Cut-Off Saw to an Abrasive Cut-Off Machine. Contains all necessary items including work holding devices. **No. 8120P**

Cut-Off Saw Parts Package for converting No. 8120 Abrasive Cut-Off Machine to a Cut-Off Saw. Contains all necessary items including work holding devices. **No. 8320P**



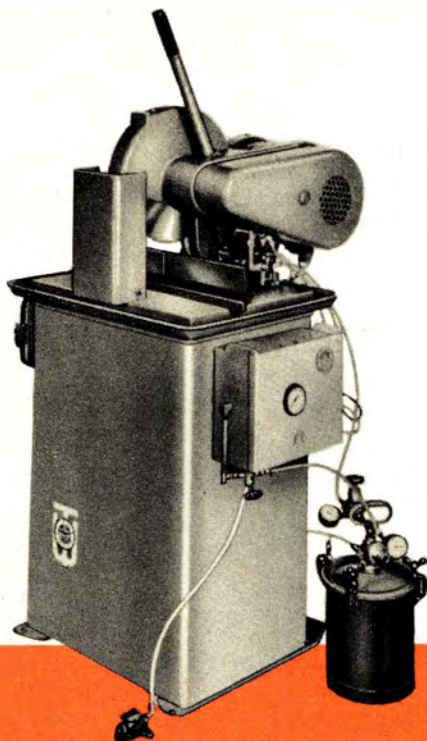
AIR OPERATED HIGH SPEED CUT-OFF SAW

**For Rapid Production Operations and
Automatic Workfeed Set-Ups**

The basic Walker-Turner High Speed Cut-off Saw is available complete with a foot controlled Air Feed unit and built-in Mist Coolant System.

The Air Feed Unit permits ready adaptation to hand or foot controlled work feeding devices for automatic, high production work.

The Mist Coolant System provides complete blade lubrication under all cutting conditions without coolant waste.



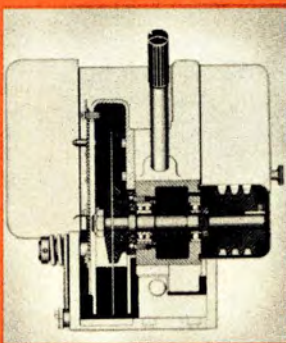
8320-2 Air Operated
Cut-Off Machine

get ALL these **BIG** performance features at **LOW** cost



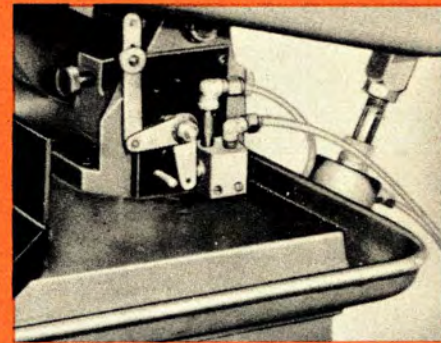
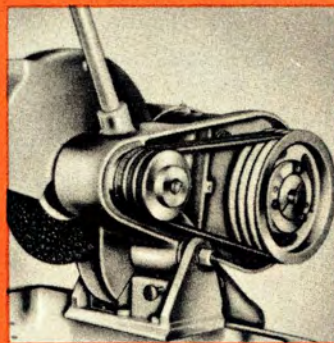
RUGGEDLY BUILT THROUGHOUT

"Built-to-take-it" features such as the big 1" diameter spindle, sealed-for-life, double row spindle nose bearings, a large diameter flange washer and a heavy duty return spring mean continuous accuracy . . . extra speed . . . in every type of cutting operation.



POWERFUL DRIVE

The triple V-belt drive and extra powerful, heavy duty 3 HP motor provide smooth cutting performance under heaviest work loads. Totally enclosed motor has an overload capacity of up to 7 HP.



QUICK CONVERSION TO AUTOMATIC OPERATIONS

Cut-Off Saws are complete with a valve linkage assembly that accurately adjusts to control coolant attachments and air feeds as illustrated.

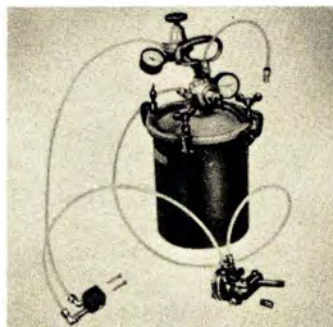
ACCESSORIES



AIR FEED ATTACHMENT

Factory installed Air Feed Unit includes all the necessary components to operate a double acting air feed cylinder. Unit is completely piped and ready to operate.

Air Feed Unit including filter, regulator, gauge, oiler, four way valve with speed controls, 2" diameter by 4" stroke air cylinder, mounting bracket, foot valve and return valve. No. 83C46



MIST COOLANT

Effectively applies any type of water soluble coolant to saw blade operating at high speeds. Positive controls permit changing the mist characteristics from an invisible fog to a solid stream . . . applies coolant only during the actual cutting stroke.

Mist Coolant Unit including mounting brackets and control valve. No. 83C41



RECIRCULATING COOLANT

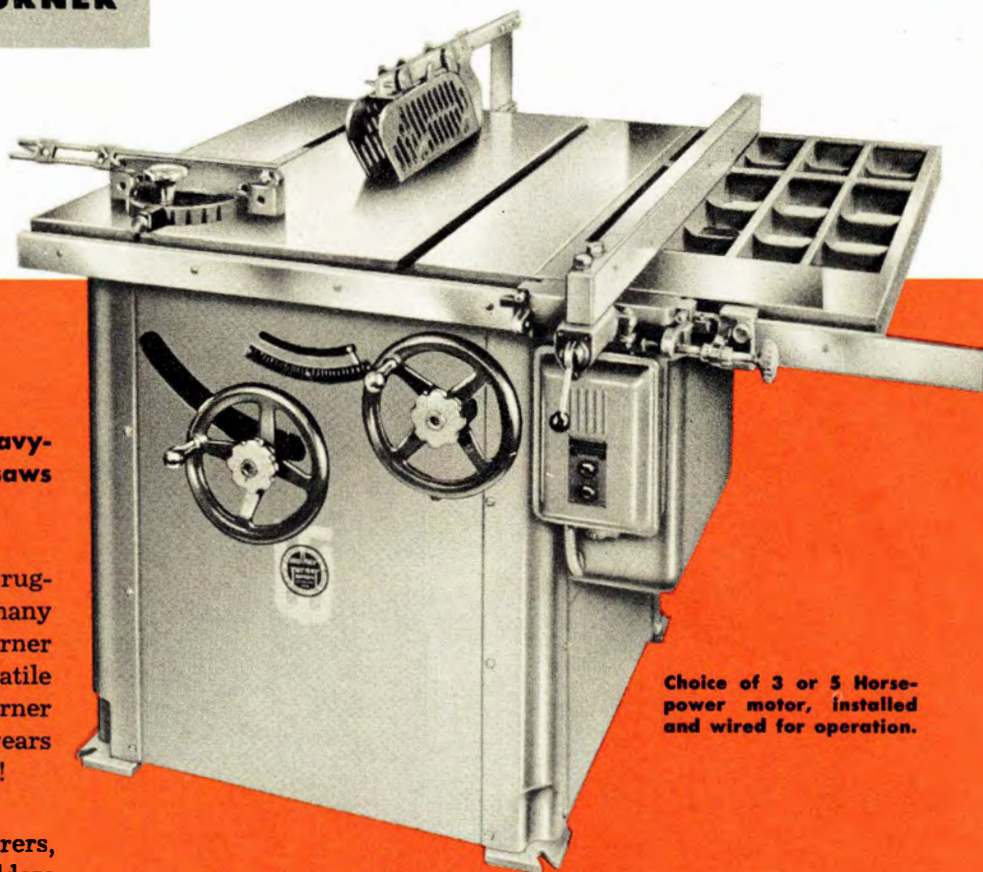
Supplies flow of coolant only during the cutting stroke in operations requiring use of a recirculating Coolant system. Economical and effective in operation. Recirculating Coolant Unit including 110V 60 cy. motor, pump, reservoir, piping valve and table nozzle. No. 99C38



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ALKER TURNER

14" TILTING ARBOR SAW



Compare this big capacity "Light Heavy-weight" feature-for-feature with saws costing much more.

Its big 5" cutting capacity, massive ruggedness, positive accuracy and many safety features make the Walker-Turner 14" Tilting Arbor Saw a truly versatile production saw. Superior Walker-Turner construction assures you of many years of continuous, trouble-free operation!

Wood and plastic product manufacturers, lumber yards, millwork shops, builders and contractors have found that this "Light Heavyweight" starts earning its own way immediately. Its functional, engineered-for-safety features also make it an excellent training saw for well equipped vocational training schools.

Use the Walker-Turner 14" Tilting Arbor Saw as a portable or stationary saw in production operations! Take it right to the site in construction operations! Use it wherever you have the problem of rapid, accurate cutting of large stock!

Choice of 3 or 5 Horse-power motor, installed and wired for operation.

SPECIFICATIONS

CAPACITIES

Diameter blade.....	14"
Diameter of arbor.....	1"
Maximum depth of cut.....	5"
Maximum thickness of cut at 45°.....	3-1/2"
Maximum width of dado cut.....	13/16"
Rip to right of blade.....	32"
Rip to left of blade.....	16"
Distance, front of table to center of blade	22-3/4"

Table in front of blade at maximum cut.....	17"
Table height.....	35"
Table size.....	48" x 38-3/4"
Table size with No. 24C26 extension.....	65-1/2" x 38-3/4"
Speed with 3450 RPM motor.....	3450 RPM
Peripheral speed with 14" blade.....	12,600 FPM
Miter gauge T-slot on both sides of table	
Rip fence locks at front and back.	

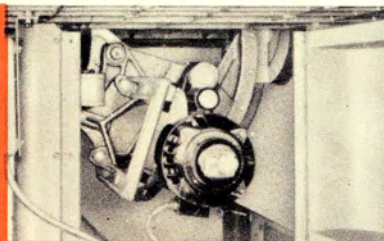
another  product

YOU GET—Big Capacity...

Massive Ruggedness... Positive Accuracy

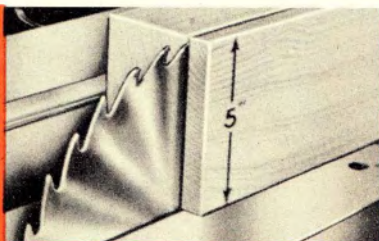
... Extra Safety—with the

WALKER-TURNER 14" TILTING ARBOR SAW



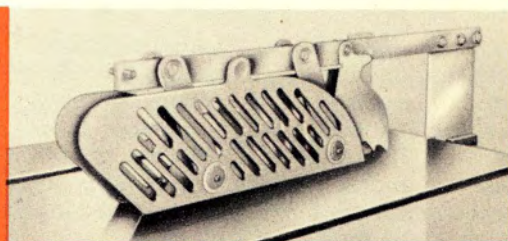
MASSIVE CONSTRUCTION — JAM-PROOF OPERATION!

Extra heavy trunnions support entire saw carriage. Raising, lowering and tilting mechanisms are completely jam-proof. Short-center, 4 V-belt drive assures constant, even power transmission. Powerful 3 or 5 horsepower motor, mounted and wired. Rugged steel cabinet has removable covers.



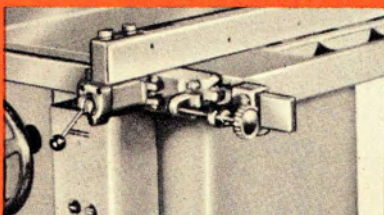
TREMENDOUS CAPACITY!

Cuts stock 5" thick! Full 17" of table in front of blade at maximum blade height means you get ample table support when cross-cutting wide, thick stock. Table is big 48x38 3/4" . . . extension available for extra large 65 1/2"x38 3/4" table surface.



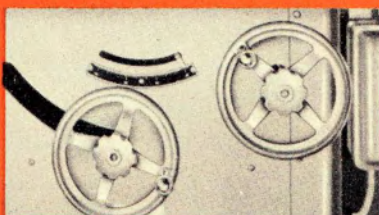
SUPER-SAFE GUARD!

Guard has independently operating side pieces that cover the blade completely, regardless of the angle or size of cut. You get full protection even when cutting materials of irregular shape and varying thicknesses. Entire guard assembly may be quickly and easily removed if desired.



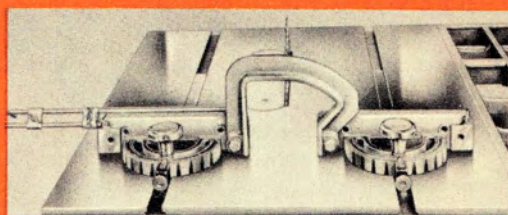
QUICK, POSITIVE FENCE ADJUSTMENT!

Single, up-front lever securely locks fence at both front and rear simultaneously. Exclusive, spring-loaded alignment pins assure accurate fence-blade alignment. Guide bar is graduated to 36" . . . micrometer fence adjustment can be made from either side of fully machined fence.



UP-FRONT CONTROLS!

Both the raising and lowering and tilt control hand wheels are conveniently located right at the front for quick jam-proof blade adjustment . . . large knobs facilitate locking of controls. Graduated, easy-to-read scale assures accurate tilt angle adjustment.



EXTRA CUT-OFF ACCURACY!

Double T-slots in table hold miter gauges securely even beyond front of table . . . prevent miter gauges from twisting or falling out. Extra miter gauge with yoke (illustrated) is available as an accessory . . . connects to miter gauge furnished with saw to provide extra support and extra accuracy when cutting long stock.

catalog listing

14" Tilting Arbor Saw: Includes No. 24C26 extension table, No. 24A22 safety guard with anti-kickback pawls, and splitter fence assembly, No. 391C16 miter gauge, graduated guide bar, No. 341A43 motor pulley, No. 24A27 table insert, No. 351-5 set of four matched V-belts, No. 412-75 combination blade, heavy duty push button station and No. 9173-2101 3 HP, 220 V, 60 cy, 3450 RPM, single phase motor. Motor wired and ready to operate. 1,000 lbs. **No. 2430**

14" Tilting Arbor Saw: Same as 2430 except includes No. 9383-6101 5 HP, 220/440 V, 60 cy, 3450 RPM, single phase motor and magnetic cross-line starter with overload protection. Motor wired and ready to operate. 1,000 lbs. **No. 2450**

Extension table, 17-1/2" wide, same as furnished with saws, may be used on right or left side of table. **No. 24C26**

Dado insert, replaces No. 24A27 when performing dado operations. **No. 24C38**

Miter Gauge, with T-Tongue, same as furnished with saw. **No. 391C16**

Miter Gauge Yoke Assembly, for use with miter gauge furnished with saw to form double miter gauge assembly, includes one Miter Gauge and Yoke. **No. 391C23**

1" Saw Adapter, furnished with saw, for use with 1" bore blades. **No. 24C58**

1-1/8" Saw Adapter, for use with blades with 1-1/8" bores. **No. 24C65**

1-1/4" Saw Adapter, for use with blades with 1-1/4" bores. **No. 24C67**

1" Dado Adapter, for use with cutters with 1" bores. **No. 24C59**

1 each 1-1/8" Saw and Dado Adapters, for use with blades and cutters with 1-1/8" bores. **No. 24C65**

1 each 1-1/4" Saw and Dado Adapters, for use with blades and cutters with 1-1/4" bores. **No. 24C67**

12" and 14" CIRCULAR SAW BLADES

1" Bore for use on 14" Tilting Arbor Saw

Type of Blade	12" Dia. No.	14" Dia. No.
Cross Cut	410-65	410-75
Rip	411-65	411-75
Combination	412-65	412-75
Hollow Ground Combination	413-65	413-75
8-Tooth Carbide	415-65	415-75

DADO HEAD SETS

Cut from 1/8" to 13/16" in 1/16" variations. Sets consist of two 1/8" outside blades, and two 1/8", one 1/4" and one 1/16" inside chippers.

Dado Head Set, 8" diameter, 1" bore. **No. 470C35**

Dado Head Set, 10" diameter, 1" bore. **No. 470C55**

See Page 45 for a complete list of Walker-Turner Circular Saw Blades and Dado Head Sets.

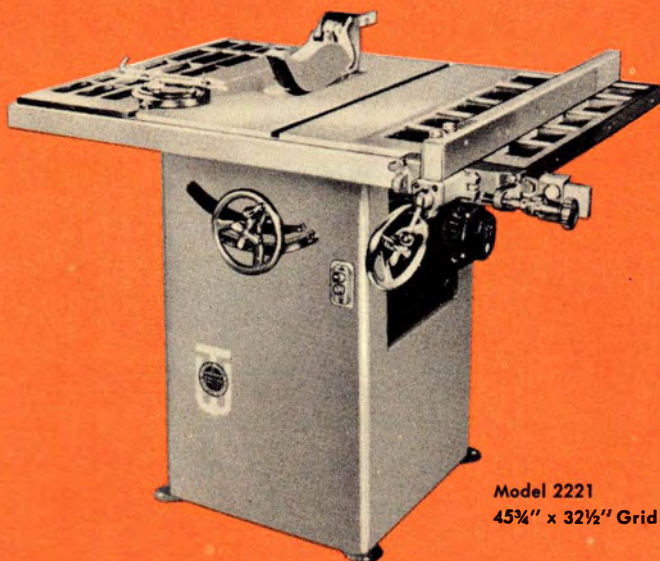
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ALKER TURNER

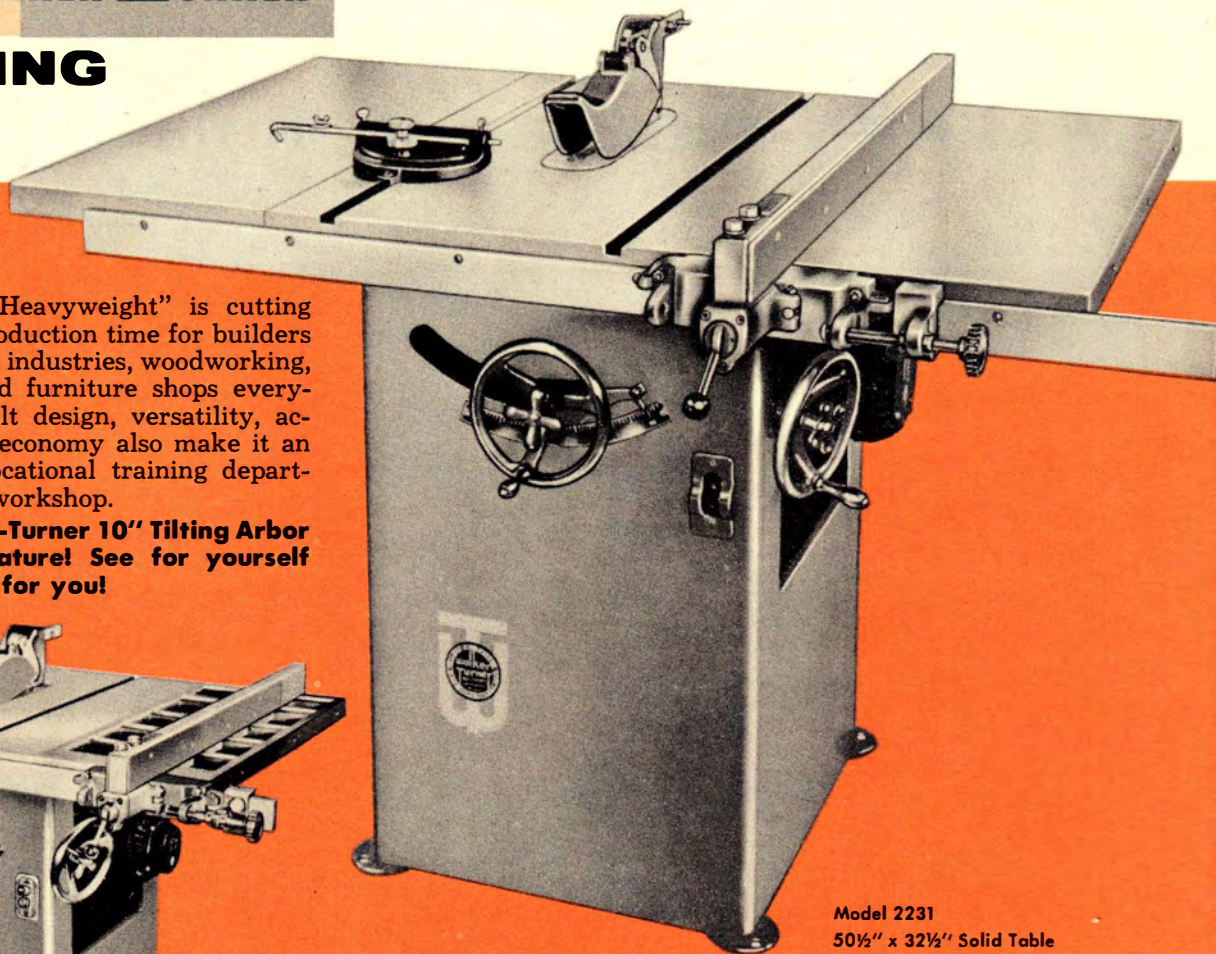
10" TILTING ARBOR SAW

This rugged "Light-Heavyweight" is cutting costs and valuable production time for builders and in large and small industries, woodworking, cabinet, shipping, and furniture shops everywhere. Its safety-built design, versatility, accuracy and low cost economy also make it an excellent saw for vocational training departments and the home workshop.

Compare the Walker-Turner 10" Tilting Arbor Saw feature for feature! See for yourself how it can cut costs for you!



Model 2221
45 1/4" x 32 1/2" Grid Table



Model 2231
50 1/2" x 32 1/2" Solid Table

SPECIFICATIONS

Diameter blade.....	10"
Diameter of arbor.....	5/8"
Maximum depth of cut.....	3 1/8"
Maximum thickness of cut at 45°.....	2 1/8"
Maximum width of dado cut.....	13/16"
Rip to right of blade with No. 22C93 extension.....	25"
Rip to left of blade.....	18 1/2"
Distance, front of table to center of blade.....	18"
Table in front of blade at maximum cut.....	13"
Table in front of blade when cutting 1" stock.....	15"

Table Height from floor.....	35"
Table Size.....	32 x 32 1/2"
Table size with No. 22C93 extension.....	45 3/4" x 32 1/2"
Table size with Nos. 22C93 & 22C19 extensions.....	62 1/2" x 32 1/2"
Table size with solid extension tables.....	50 1/2" x 32 1/2"
Overall Dimensions with Guide Bar.....	49 7/8" x 38 3/4"
Miter gauge table grooves.....	3/8" x 3/4"
Speed with 3450 RPM motor.....	3800 RPM
Rip fence locks at front and back.	

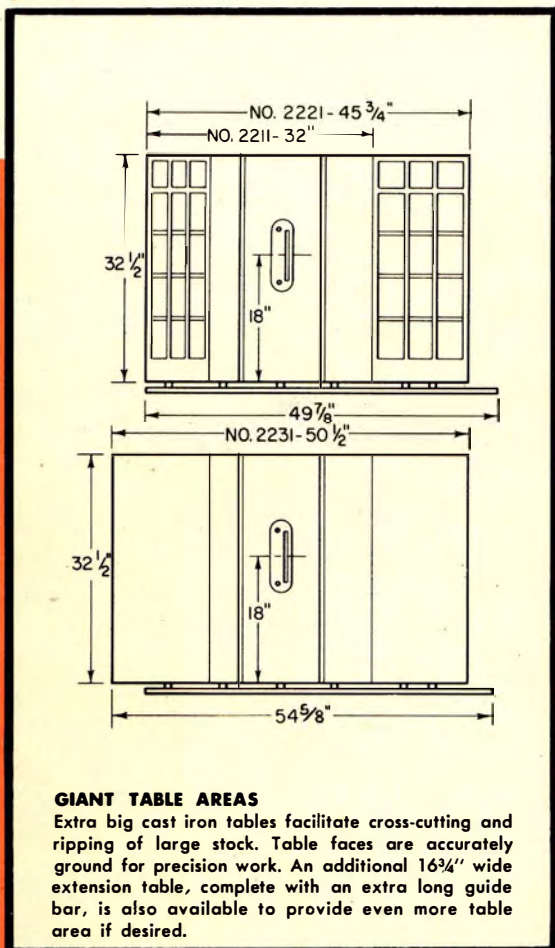
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WALKER-TURNER 10" TILTING ARBOR SAWS

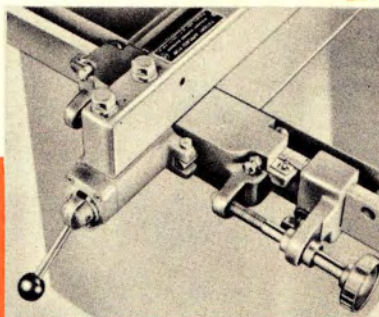
give You the features You want

BIG CAPACITY! BIG TABLE! BIG VALUE!



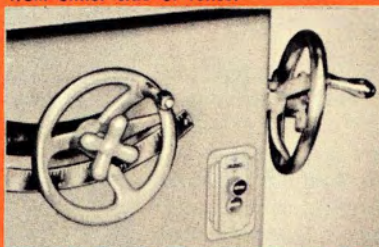
GIANT TABLE AREAS

Extra big cast iron tables facilitate cross-cutting and ripping of large stock. Table faces are accurately ground for precision work. An additional 16 3/4" wide extension table, complete with an extra long guide bar, is also available to provide even more table area if desired.



ACCURATE, UP-FRONT FENCE CONTROL

Single convenient lever locks fence at both front and rear from the front. Exclusive spring-loaded alignment clips on fence support bracket assure accurate fence-blade alignment. Guide bar is graduated . . . micrometer fence adjustment can be made from either side of fence.



CONVENIENT HAND WHEELS

Hand wheels are conveniently located for quick blade tilt and height adjustments . . . mechanisms are carefully balanced for jam-proof operation . . . center knobs securely lock controls . . . scale clearly indicates tilt angle throughout 45° to 90° range.



SAFETY DESIGNED GUARD ASSEMBLY

Complete guard assembly including guard, splitter and double anti-kickback pawls is standard equipment . . . guard assembly, motor and blade tilt as a unit.



QUICK GUARD REMOVAL

A rugged spring clamp securely holds the guard assembly in position and permits quick removal and insertion of the guard without the use of tools.



HANDY CLEAN-OUT DOOR

Large door in base facilitates removal of saw dust . . . exhaust duct knock-out is provided.

- **BIG CAPACITY** — cuts stock up to 3 1/8" thick, 2 1/2" at 45°.
- **TRIPLE V-BELT DRIVE** — assures full power transmission and smooth operation.
- **HEAVY TRUNNIONS** — provide full support for the saw carriage and are completely adjustable for continuous perfect alignment.
- **PRECISION BALL BEARINGS** — are dust sealed for long life.
- **UNIFORM INSERT DESIGN** — permits making special inserts from plywood if desired.
- **FULLY MACHINED FENCE** — is drilled to accommodate a wood face.
- **RUGGED STEEL BASE** — gives sturdy support . . . base corner holes on 31" centers are provided for special mounting

catalog listing

10" Tilting Arbor Saw: Includes No. 22C9 left extension, No. 22A105 guard and splitter with anti-kickback pawls, fence assembly, No. 391C90 miter gauge, graduated guide bar, No. 341C11 motor pulley, No. 22C16 table insert, No. 350-17 set of three matched V-belts, and No. 412-52 combination blade. Without motor. 350 lbs. **No. 2211**

10" Tilting Arbor Saw with Extension Table: Same as 2211 except also includes No. 22C93 right extension table. Without motor. 400 lbs. **No. 2221**

10" Tilting Arbor Saw with Solid Extension Table: Same as 2211 except includes two No. 22C110 solid extension tables instead of No. 22C9 left extension. Without motor. 450 lbs. **No. 2231**

1 HP, 3450 RPM, 115/230 V, 60 cy, single phase motor, complete with No. 395C6-1 magnetic overload toggle switch.

No. 9143-4

1 HP, 3450 RPM, 220/440 V, 60 cy, 3 phase motor. **No. 9343**

1 1/2 HP, 3450 RPM, 220/440 V, 60 cy, 3 phase motor. **No. 9353**

Side Extension Table, grid type, 13 3/4" wide. **No. 22C93**

Side Extension Table, grid type, 16 3/4" wide, with extra long guide bar. **No. 22C19**

Side Extension Table, solid type, 13 3/4" wide. **No. 22C110**

Dado Insert, replaces No. 22C16 when performing dado operations. **No. 22C17**

10' three wire cord and polarized plug for single phase only, 115 V. **No. 396C89**

Push Button Switch Assembly with three wire cord, for three phase operation. **No. 395C64**

On-off Toggle Switch with magnetic overload. Same as furnished with No. 9143-4 motor. **No. 395C6-1**

10" CIRCULAR SAW BLADES

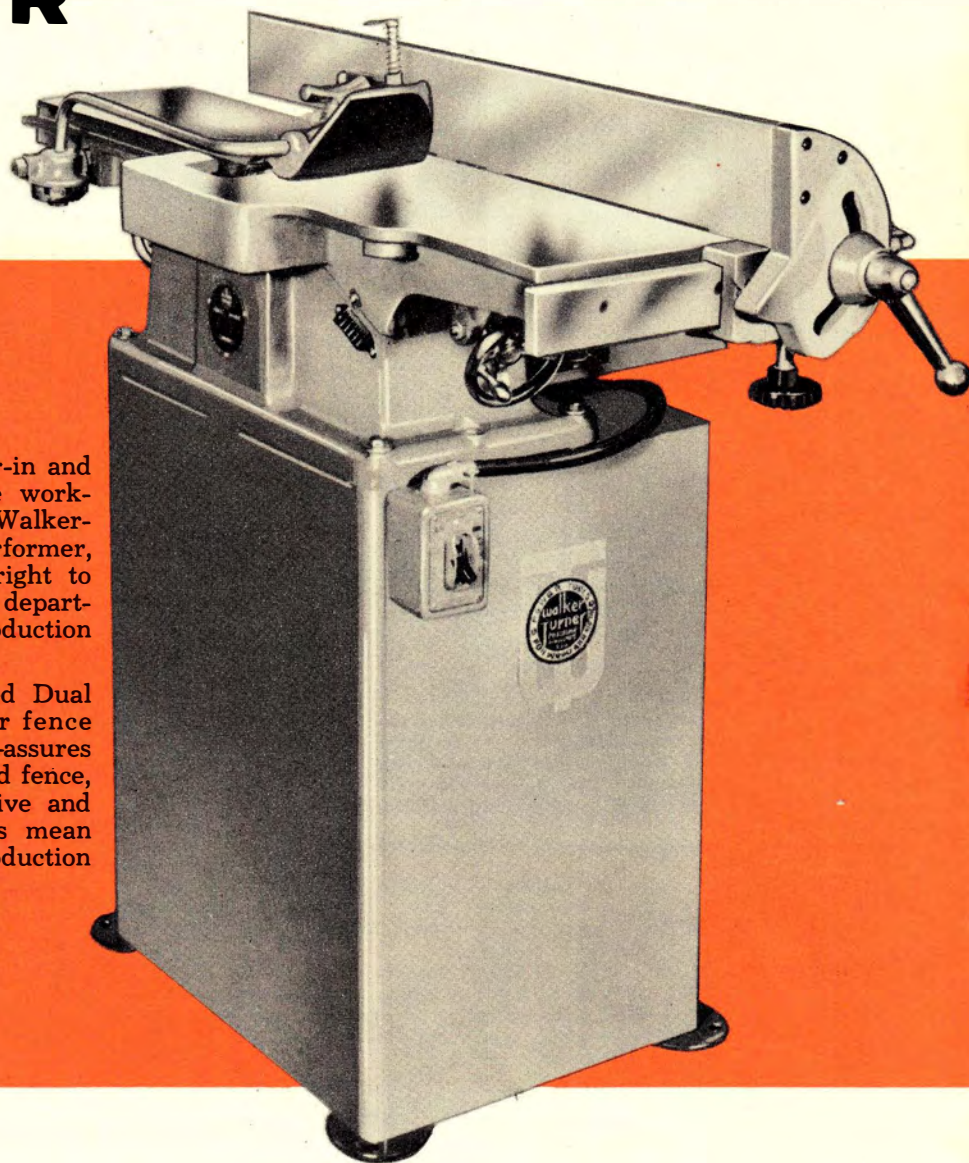
Type of Blade	Bore	No.
Crosscut	5/8"	410-52
Rip	5/8"	411-52
Combination	5/8"	412-52
Hollow Ground Combination	5/8"	413-52
8-Tooth Carbide	5/8"	415-52

Dado Head Set, 8" diameter, for 10" Saws with 5/8" arbor. Cuts from 1/8" to 13/16" in 1/16" variations. Includes two 1/8" outside blades and two 1/8", one 1/4" and one 1/16" inside chippers. **No. 470C12**

For a complete listing of all available Walker-Turner Circular Saw Blades and Dado Head Sets, see page 45.



6" JOINTER



Accurate, safe, heavy duty operation year-in and year-out in industry, schools and home workshops has proven the superiority of the Walker-Turner 6" Jointer. A husky, rugged performer, it is light enough to be easily moved right to where it is needed—in the maintenance department . . . shipping department . . . production line . . . or right at building sites.

The exclusive Walker-Turner Patented Dual Purpose Guard, plus an additional rear fence guard, makes this 6" Jointer super safe—assures easier, more accurate operation. A rugged fence, sturdy tables, powerful triple V-belt drive and its uncluttered, easy-to-keep clean lines mean lower maintenance costs . . . increased production for you.

SPECIFICATIONS

Tables	37½"	overall length
Cutting Capacity	6"	Width—½" Depth
Overall Dimensions:		
Height—table to floor.....	34½"	
Length	42½"	
Tableways	dove-tailed	
Fence	33½"	long
Fence tilts right and left	45°	

Stop index plunger permits positive fence stops at 90°, 45° right and left.

Number of knives in cutterhead3
Cutting circle2½"
Cutterhead speed—3900 RPM, 11,700 cuts per min.

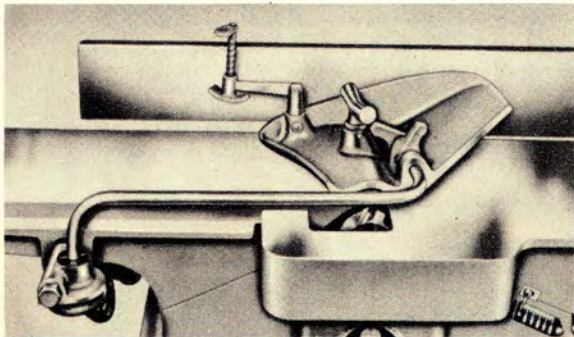
Bearings—cutterhead runs in two precision, dust sealed ball bearings.

another



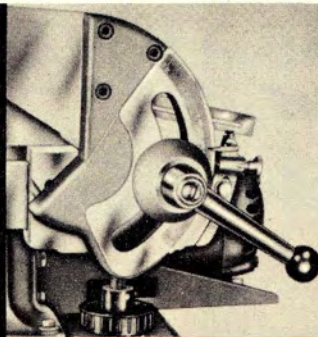
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WALKER-TURNER *World's Safest 6"* JOINTER gives you all these EXTRA-VALUE FEATURES



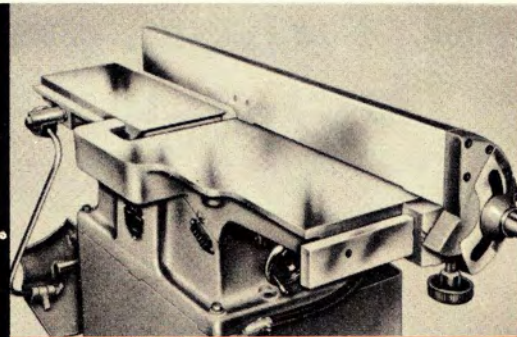
EXCLUSIVE GUARD

Maximum operator safety is assured with the patented Walker-Turner Dual Purpose Guard that permits ribbon thin planing yet never gets in the operator's way. Pressure on thumb hold keeps small pieces down while guard controls side pressure.



ACCURATE FENCE ADJUSTMENT

Graduated, convenient scale insures accurate fence tilt adjustment. Fence tilts full 45° left or right . . . index plunger permits quick positive stops at 45° and 90°. Large knob under end of fence provides quick lateral fence adjustment.



RUGGED CONSTRUCTION

Heavy, cast iron tables have precision milled tops and machined dove-tailed ways for lasting accuracy. Rugged base is of one piece, cast iron construction. Tough, aluminum alloy ground surface fence moves across full width of table for rabbeting.



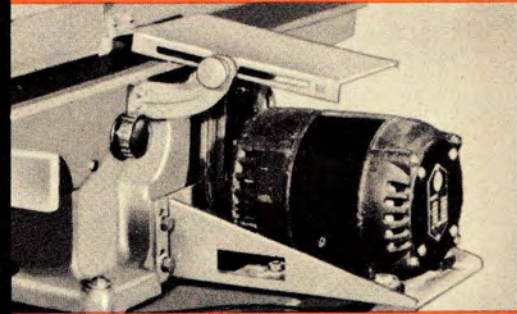
PRECISION TABLE ELEVATING MECHANISM

Both tables raise and lower on dove-tailed ways. Adjustable gibbs compensate for wear—guarantee perfect table alignment. Easy-to-read scale assures accurate depth adjustment.



STURDY MODERN STAND

Husky, one piece steel stand (available as accessory) provides rigid support for jointer. Dust chute and clean-out door are provided.



EXTRA POWER—EXTRA PROTECTION

Has triple V-belt drive for maximum efficiency under all work loads and longer belt life. Rear knife guard keeps the knives covered at all times regardless of the position of the fence.

catalog listing

6" Jointer, including No. 350A16 set of three V- belts, No. 65A47 Dual-Purpose Guard, No. 485C1 set of three knives, No. 341C10 cutter-head shaft pulley and No. 341C9 motor pulley. 175 lbs. No. 6520-1 1/2 HP, 3450 RPM. 115/230 V, 60 cy, single phase motor. No. 9123 Steel Stand, with dust chute and clean-out door. 50 lbs. No. 390C55 1/2 HP, 3450 RPM. 220/440 V, 60 cy, three

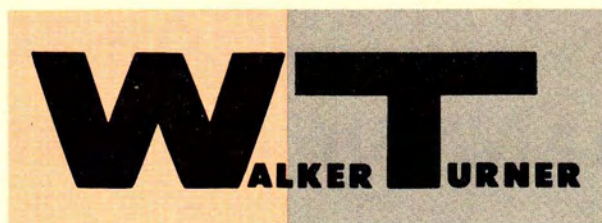
phase motor.

No. 9323

On-off Toggle Switch, single phase. No. 395C21 10' three wire cord and polarized plug, 115 V, for single phase only. No. 396C89

On-off Toggle Switch, three phase. No. 395C22 Safety Toggle Switch, single or three phase. No. 395C42-1

Set of three knives (replacement). No. 485C1



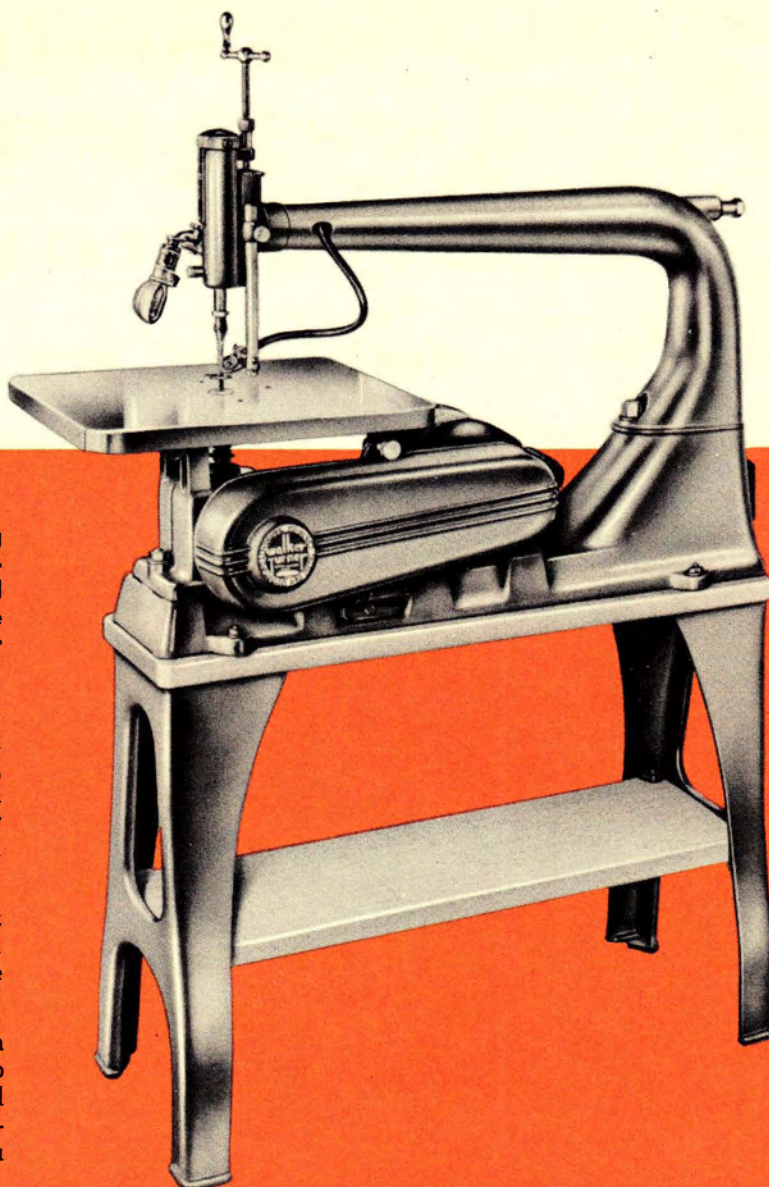
24" FOUR-SPEED SCROLL SAW

Here's a big, rugged scroll saw that is setting performance records throughout the world cutting wood, paper, fibre, plastics, bone and all kinds of thin sheet metals. Used with machine files, it can also be used for die filing and other similar operations.

The Walker-Turner 24" Scroll Saw has a big 2 $\frac{3}{4}$ " cutting capacity for cutting extra thick stock and will rip to the center of a 48" panel. In addition, the arm may be swung to either side or removed entirely for even larger work. Four carefully chosen operating speeds provide the correct speed range for all types of work.

An exclusive, patented blade tensioner, 45° right or left tilting table, positive action blower and easily adjusted blade guide and hold-down assure greater accuracy and extra operating ease.

Whatever your operation — industrial production . . . school shop . . . cabinet shop . . . display shop . . . pattern shop . . . home workshop — you'll find that the Walker-Turner 24" Scroll Saw will provide continuous, accurate operation for you through years of heavy duty use.



SPECIFICATIONS

Capacity, arm to saw.....24"
Thickness of cut.....2 $\frac{3}{4}$ "
Table tilt.....45° right or left
Overall height on stand.....53" length 38"

Overall height without stand.....27 $\frac{3}{4}$ "
Speeds.....600, 900, 1250 and 1740 C.S.M.*
Overarm may be removed for unlimited capacity with saber blade.

*Cutting Strokes per Minute

catalog listing

24" Four-Speed Scroll Saw, including No. 344A12 motor pulley, No. 350-33 belt. Without guard, lamp, switch and motor. No. 4510
1/3 HP, 1725 RPM, 115/230 V, 60 cy, single phase motor. No. 9112
1/3 HP, 1725 RPM 220/440 V, 60 cy, 3-phase motor. No. 9312
Belt Guard. No. 45C54
Lamp Attachment, complete. No. 45C4
Lamp Bulb, for replacement on No. 45C4, bayonet type. No. 396C79

Bench for 4510 Scroll Saw, cast iron legs with wood top and shelf. No. 390C45
Heavy duty vise for saber blades (same as supplied with machine). No. 45C90
On-off Toggle Switch, complete with cord and box for single phase. No. 395C21
On-off Toggle Switch, includes switch box, cover and BX connectors, for single or 3-phase. No. 395C22

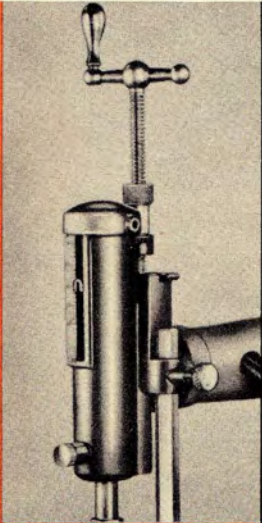
10' Extension cord and plug. No. 396C89

compare the

WALKER-TURNER

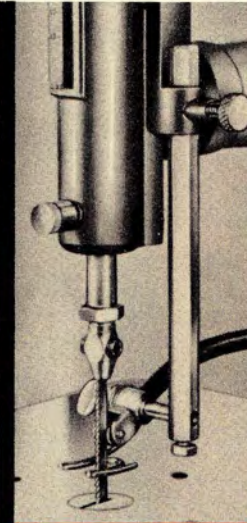
24" SCROLL SAW

feature by feature



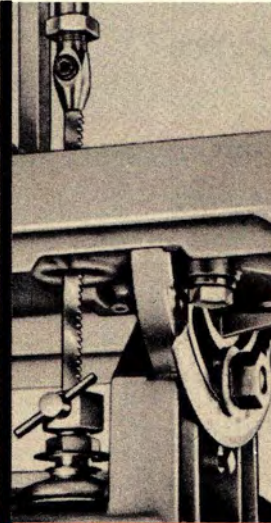
PATENTED WALKER-TURNER BLADE TENSIONER

A Walker-Turner exclusive! Convenient handle on blade tensioning head provides rapid blade tension adjustment while the machine is in motion. Blade changing is simple and easy.



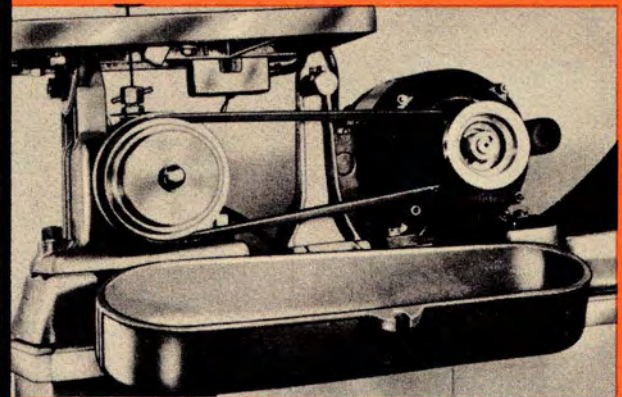
EASILY ADJUSTED BLADE GUIDE AND HOLD-DOWN

Saw guide easily adjusts for all thicknesses of material. Spring type hold-down simplifies sawing even of very thin stock. Blower unit provides a constant air stream where you want it!



POSITIVE LOCKING VISES AND TILT SCALE

Both upper and lower vises positively grip saw blades and sanding and filing attachments up to 1/8" wide. Table can be tilted and locked in any position up to 45° right or left.

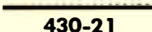
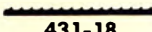
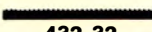
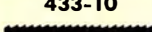
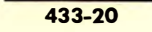


CHOICE OF FOUR CAREFULLY SELECTED SPEEDS

Speeds of 600, 900, 1250 and 1740 cutting strokes per minute are readily obtained . . . you get the proper speed for every operation from fret sawing to metal sawing. Guard swings away for full access to belt for quick speed adjustment.

6" SCROLL SAW BLADES

The right blade for every job. All blades 6" long with accurately spaced teeth. One dozen to a package.

	No.	Thick- ness	Width	Teeth per inch	Used for cutting
	430-21	.018	.035	21	Wood, veneer, plywood
	430-32	.017	.035	32	Metal, hard substances and wood
	431-18	.010	.045	18	Wood, veneer, plywood
	431-20	.016	.054	20	Metal, hard substances
	432-32	.022	.070	32	Metal only up to 1/8" thick
	432-15	.020	.072	15	Metal over 1/8", and wood
	433-10	.020	.110	10	General purpose, wood, metal
	433-15	.020	.110	15	General purpose, wood, metal
	433-20	.020	.110	20	General purpose, wood, metal
	434-10	.028	.187	10	Thick stock, wood
	436-9	.042	5/16"	9	Molded brake lining
	434-9-1	.040	3/16"	9	Sabre blade, for wood
	436-9-1	.040	5/16"	9	Sabre blade, for wood
	439C1		Assorted		Package of 7

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ALKER TURNER

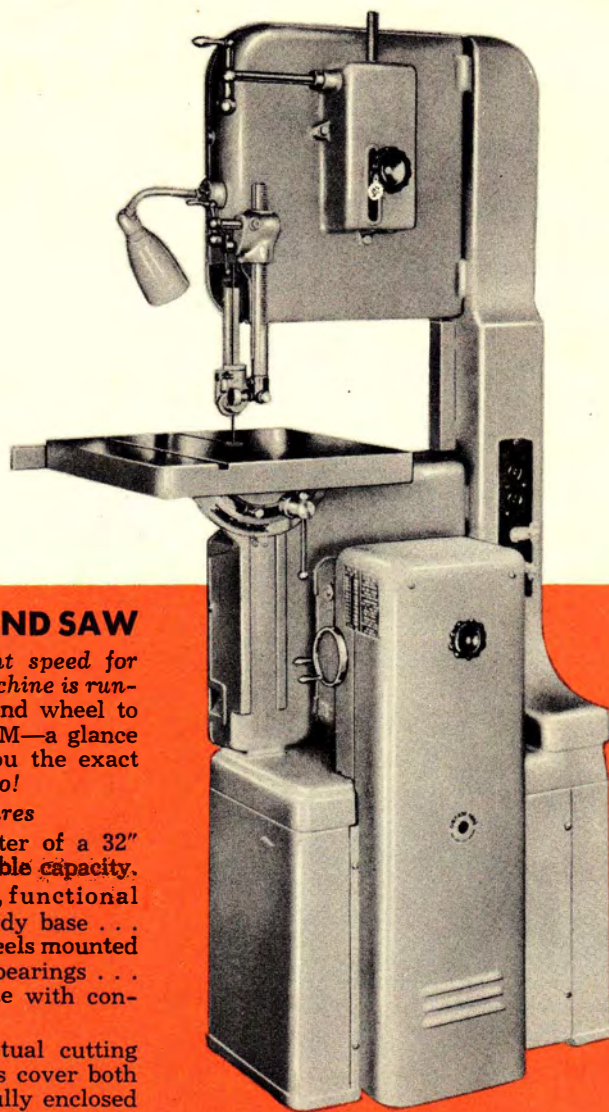
16" BAND SAWS

Built to give you top performance, extra safety and increased production . . . all at low cost!

Choice of two models:

VARIABLE SPEED MODEL for cutting all types of ferrous and non-ferrous metals, wood and plastic.

SINGLE SPEED WOODWORKING MODEL for cutting wood, plastic and similar materials.



16" VARIABLE SPEED BAND SAW

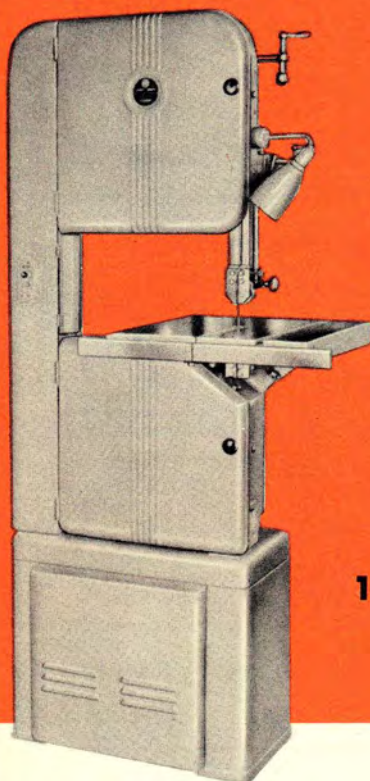
Lets you obtain exactly the right speed for everything cuttable—while the machine is running. Just turn the convenient hand wheel to get any speed from 50 to 3,500 FPM—a glance at the easy-to-read scale tells you the exact speed. It's as easy as dialing a radio!

Get all these "added value" features

- **BIG CAPACITY**—cuts to the center of a 32" panel . . . has a big 8" guide-to-table capacity.
- **STRONG CONSTRUCTION**—rigid, functional frame construction . . . extra sturdy base . . . dynamically balanced cast iron wheels mounted on precision, sealed-for-life ball bearings . . . rugged extra large table, complete with convenient guide bar.
- **SAFER OPERATION**—only the actual cutting area is exposed . . . hinged guards cover both wheels . . . belts and pulleys are fully enclosed . . . telescoping guard covers blade between upper guard and guide.

16" WOODWORKING BAND SAW

Has all the above features and same specifications except for speed control. This machine has a speed of 3515 FPM (825 RPM)—the right speed for cutting wood, plastic and similar materials.



SPECIFICATIONS

CAPACITY

Blade to Frame 16"
Under Guide 8"

SPEEDS:

Variable Speed Model 50 to 3500 FPM
Woodworking Model 3515 FPM

DIMENSIONS:

Overall Height on Base 68 $\frac{3}{8}$ "
Width 33 $\frac{3}{4}$ "
Depth 28"

Table 18 x 19"
Table Tilt to right 45°, to left 5°
Miter Gauge Groove $\frac{3}{4}$ " x $\frac{3}{8}$ "
Blade Width, Maximum $\frac{3}{4}$ "
Blade Length 111 $\frac{1}{2}$ "

catalog listing

VARIABLE SPEED MODEL

16" Variable Speed Band Saw including base, push button switch, No. 395C38 lamp assembly, $\frac{1}{2}$ " metal cutting blade, guide bar, Nos. 352-67 and 353-45 V-belts and No. 341-53 motor pulley. Without motor. 700 lbs. **No. 3331**

$\frac{3}{4}$ HP, 1140 RPM, 115/230 V, 60 cy., single phase motor. **No. 9131**

$\frac{3}{4}$ HP, 1140 RPM, 220/440 V, 60 cy., three phase motor. **No. 9331**

NOTE: Do not change motor specifications without consulting supplier.

WOODWORKING MODEL

16" Woodworking Band Saw including base, push button switch, No. 395C38 lamp assembly, $\frac{3}{8}$ " blade, guide bar, No. 352-64 V-belt and No. 341-38 motor pulley. Without motor. 700 lbs. **No. 3341**

$\frac{1}{2}$ HP, 1725 RPM, 115/230 V, 60 cy., single phase motor. **No. 9122**

$\frac{1}{2}$ HP, 1725 RPM, 220/440 V, 60 cy., three phase motor. **No. 9322**

$\frac{3}{4}$ HP, 1725 RPM, 115/230 V, 60 cy., single phase motor. **No. 9132**

$\frac{3}{4}$ HP, 1725 RPM, 220/440 V, 60 cy., three phase motor. **No. 9332**

another

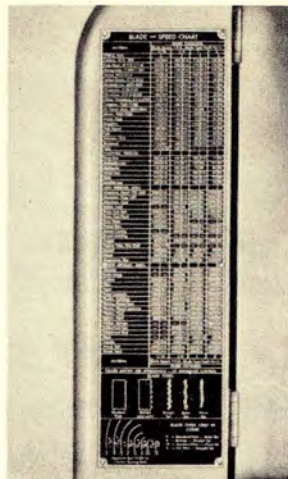


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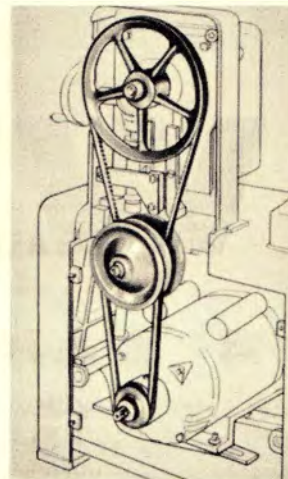
Dial the Exact Speed
for every
Cutting Operation
with the
WALKER-TURNER
16" Variable Speed
BAND SAW



Convenient hand wheel, "Hi-Lo" gear switch and easy-to-read speed scale make it easy to obtain any speed from 50 to 3500 FPM . . . speeds are changed while the machine is running.



Handy Blade and Speed Chart mounted right on the machine aids in selecting the proper speed and saw blade for cutting 58 different materials.



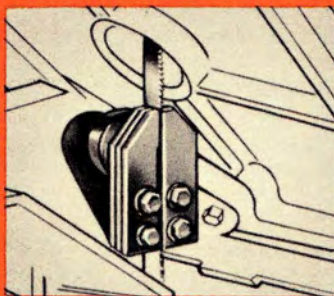
"Free Floating" Variable Speed Drive Pulley is mounted between motor and drive shaft to permit steady power transmission and accurate speed control.

Get these WALKER-TURNER Quality Features
with every **16" BAND SAW**



RUGGED, EXTRA SAFE, GUIDES AND GUARD

Upper and lower guides are protective, multiple leaf, double contact guides that readily adjust to various blade widths . . . both guides have ball bearing thrust support rollers for extra rigidity, truer cutting . . . spring loaded lock screw holds upper guard firmly in place . . . telescoping guard covers blade regardless of guide position so that only the actual work area is exposed.



QUICK, SURE BLADE ADJUSTMENTS

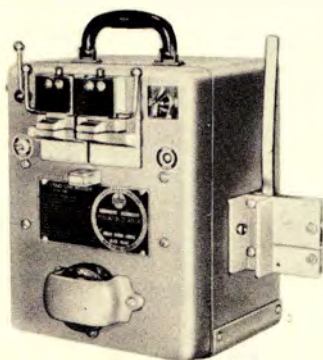
Tensioning and tracking mechanism is incorporated in the upper wheel unit . . . assembly is guided on two husky ground steel rods . . . has spring cushion that absorbs work shock. Large tension control handle and tracking knob are provided for quick adjustment. Quick-change Carter tires are standard equipment.



ACCURATE TABLE ADJUSTMENT

Large handle and convenient tilt angle scale make it possible to quickly tilt the table to the exact angle desired up to 45° right. A removable stop at 90° position also permits tilting table 5° left.

ACCESSORIES



BLADE WELDER

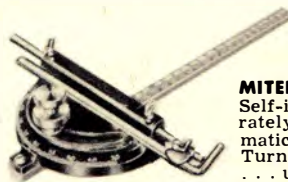
Pays for itself! Lets you cut and weld your own blades from economical coiled stock.

The Walker-Turner Blade Welder will handle all metal and wood cutting blades up to 3/4" wide . . . has a built-in grinder and a gauge for checking blade thickness at the weld. Complete with a blade shear that assures square edges and uniform welds.

Blade Welder for 115 V, single phase, 60 cy. Without bracket. **No. 33C172**

Blade Welder for 220 V, single phase, 60 cy. Without bracket. **No. 33C173**

Bracket for mounting blade welder to Band Saw frame. **No. 33C79**



MITER GAUGE

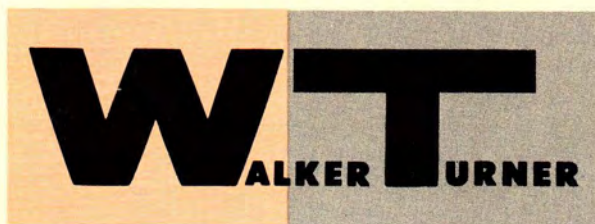
Self-indexing type . . . can be accurately set in any position . . . has automatic stops at 30°, 45°, 60°, 75°, and 90°. Turn lower knob to move gauge head . . . upper knob to lock. **No. 391C90**

BLADES

All Blades 111 3/4" Long.

Metal Cutting Blades		
Teeth per In.	Width	Cat. No.
10	1/2"	424-32
14	1/2"	424-33
18	1/2"	424-34
Wood Cutting Blades		
5	1/4"	421-31
5	3/8"	423-31
5	1/2"	424-31
5	3/4"	425-31

Rip Fence, with positive single lock action. **No. 20C40**
Lamp Assembly with cord (same as furnished with Band Saws) **No. 395C38**
Tire, Carter Jiffy, quick-change type **No. 33-36**
Switch, with 3 Conductor Cable **No. 395C3**



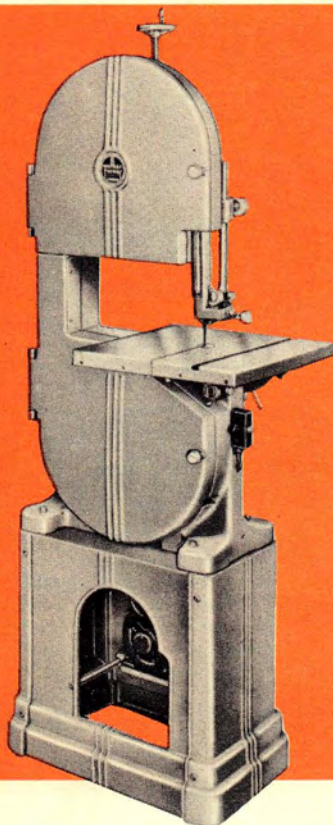
14" BAND SAWS

For quick, accurate cutting, versatility and ruggedness at low investment and maintenance costs.

Choice of two models—

Metal Cutting Model for cutting all types of ferrous and non-ferrous metals, wood and plastic.

Woodworking Model for cutting wood, plastic and similar materials.



14" METAL CUTTING BAND SAW

Provides 8 different operating speeds . . . as low as 61 FPM, as high as 4550 RPM . . . *the right speed for every cutting operation.* Back gearing and a four step pulley make it possible to readily obtain the speed desired.

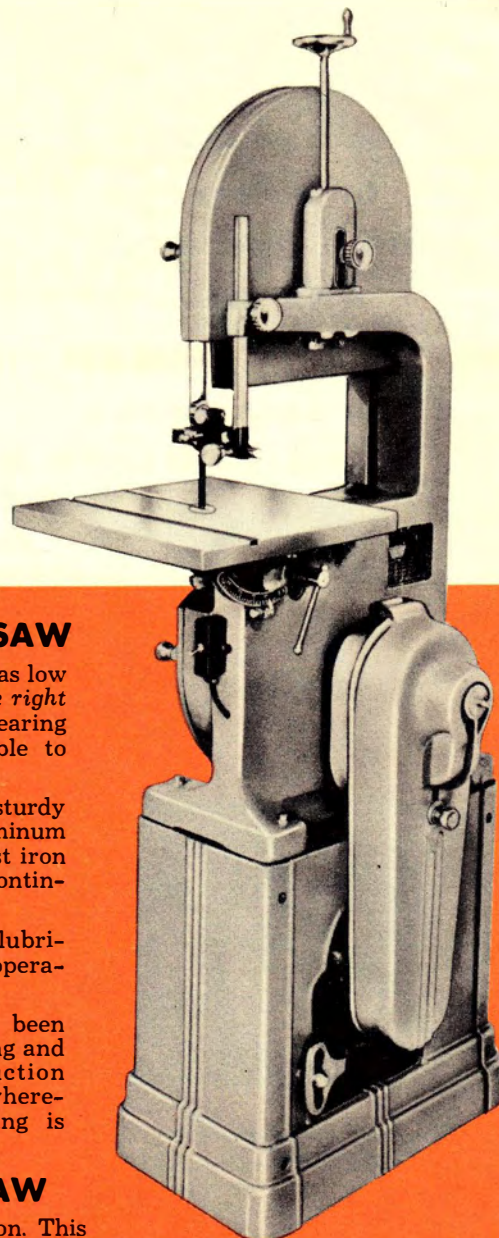
The husky, one piece cast iron frame, sturdy tilting table, hinged "full protection" aluminum wheel guards and carefully balanced cast iron wheels add up to extra ruggedness and continuous cutting accuracy.

Both wheels are mounted on precision, lubricated-for-life ball bearings for smooth operation.

Walker-Turner 14" Band Saws have been "proved by performance" in woodworking and metalworking shops, industrial production lines, the plastics industry, schools . . . wherever economical, quick accurate cutting is essential.

14" WOODWORKING BAND SAW

Has all the above features except speed selection. This machine has a speed of 2535 FPM (680 RPM) for cutting wood, plastic, compositions, and similar materials. It is an excellent unit for woodworking shops, builders, schools and the home workshop.



SPECIFICATIONS

CAPACITY:	
Blade to Frame	14"
Under guide	7"
SPEEDS:	
Metalworking Model:	
with 1725 RPM motor—180, 275, 370, 465, 1900,	
2780, 3670, 4550 FPM.	
with 716 RPM motor—61, 93, 132, 182, 653, 1103,	
1413, 1950 FPM.	
Woodworking Model:	
with 1725 RPM motor—2535 FPM (680 RPM)	

DIMENSIONS:	
Overall Height on Base	69½"
Width	28½"
Depth	23¾"
Table	16" x 16"
Table Tilt to Right	45°, to left 5°
Miter Gauge Groove	¾" x ¾"
Blade Width, maximum	7/8"
Blade Length	Standard 96⅝"
	Maximum 97"
	Minimum 94½"

catalog listing

14" Metal Cutting Band Saw including No. 351-50 belt, No. 344A8 motor pulley, guard and ½" metal cutting blade. Without base, switch or motor. 350 lbs.	No. 3220
14" Woodworking Band Saw including No. 351-50 belt, No. 341-A-33 motor pulley and ⅜" wood cutting blade. Without base, switch, motor and belt guard. 350 lbs.	No. 3210
½ HP, 1725 RPM, 115/230 V. 60 cy. single phase motor.	No. 9122
½ HP, 1725 RPM, 220/440 V. 60 cy. three phase motor.	No. 9322

½ HP, 716 RPM, single phase motor (for metal cutting only).	No. 9227
¾ HP, 716 RPM, three phase motor (for metal cutting only).	No. 9437
Cast Iron Base. 130 lbs.	No. 32C22
Switch, on-off toggle, for single phase.	No. 395C21
Switch, on-off toggle, for three phase.	No. 395C22
10' three wire cord and polarized plug, for single phase only.	No. 396C89
Miter gauge, to fit ¾" x ⅜" table slots.	No. 391C90

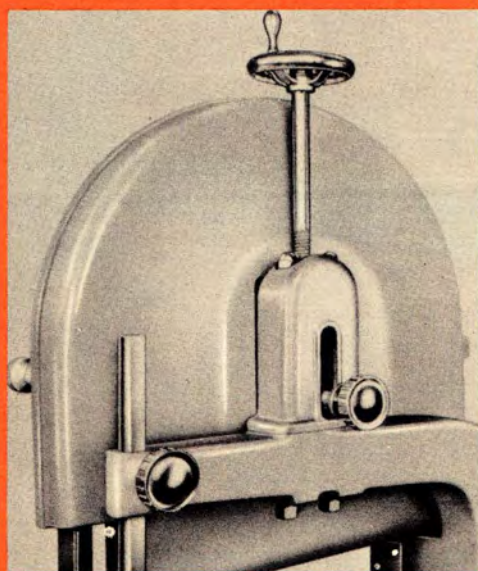
another



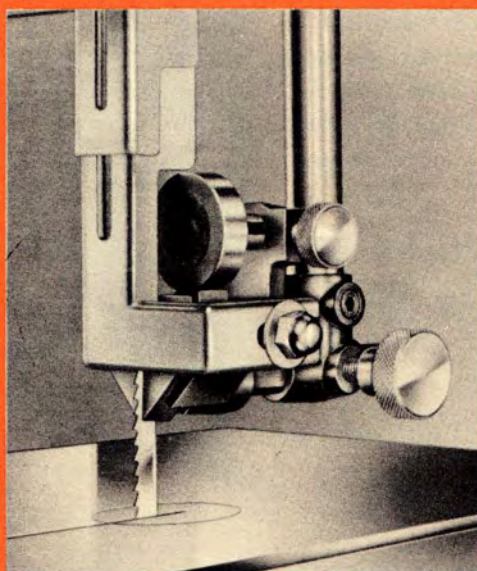
product

Superior **WALKER-TURNER** Construction Features

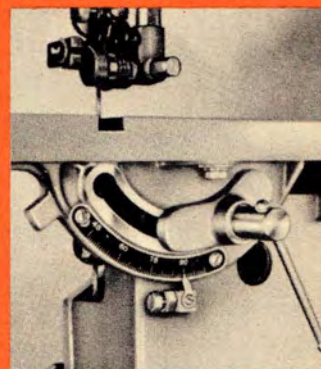
mean faster, more accurate cutting
throughout years of continuous operation



Large, convenient control handwheel at top permits quick blade tension adjustment . . . knob at right above is for positive blade tracking . . . knob at left securely locks blade guide at desired height . . . entire upper wheel unit rides on two heavy ground steel rods and is spring cushioned to absorb work shock.

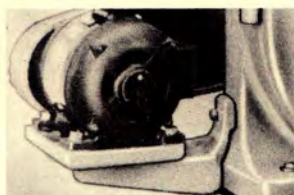


Rugged guide construction provides extra support where it counts, right at the work point. Both upper and lower guides have hardened guide blocks and large ball bearing thrust support rollers . . . height of upper guide is easy to adjust . . . guard fully shields blade at every position . . . big 7" guide to table capacity for ripping of extra thick stock.

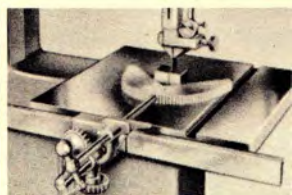


Sturdy, extra large 16" x 16" table readily tilts and securely locks at any position up to 45° right, 5° left. Note convenient miter gauge slot in table.

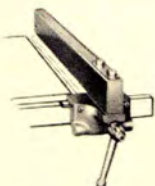
ACCESSORIES



Mounting Bracket for mounting of motor at rear of machine when No. 32C22 base is not used. No. 32C23



Guide Bar with spacers and screws. No. 32C26
Screw Feed Attachment for safe cutting of small wood, plastic or metal stock. No. 32C91



Rip Fence has large lock handle and indicator pointer. Fence travels on No. 32C26 Guide Bar. No. 32C41



Belt Guard for No. 3210 Wood Cutting Band Saw (same as furnished with No. 3220 Metal Cutting Band Saw). No. 32C24

BLADES

All Blades 96 3/8" Long.

Metal Cutting Blades		
Teeth per In.	Width	No.
10	1/2"	424-22
14	1/2"	424-23
18	1/2"	424-24
Wood Cutting Blades		
Teeth per In.	Width	No.
5	1/4"	421-21
5	3/8"	423-21
5	1/2"	424-21
5	3/4"	425-21



12" VARIABLE SPEED LATHE

For precision wood turning, metal spinning, light metal work, sanding, grinding, polishing, buffing, drilling and many other operations. Turns stock up to 12" over the bed . . . up to 15½" over the gap . . . extra large stock on the outboard spindle!

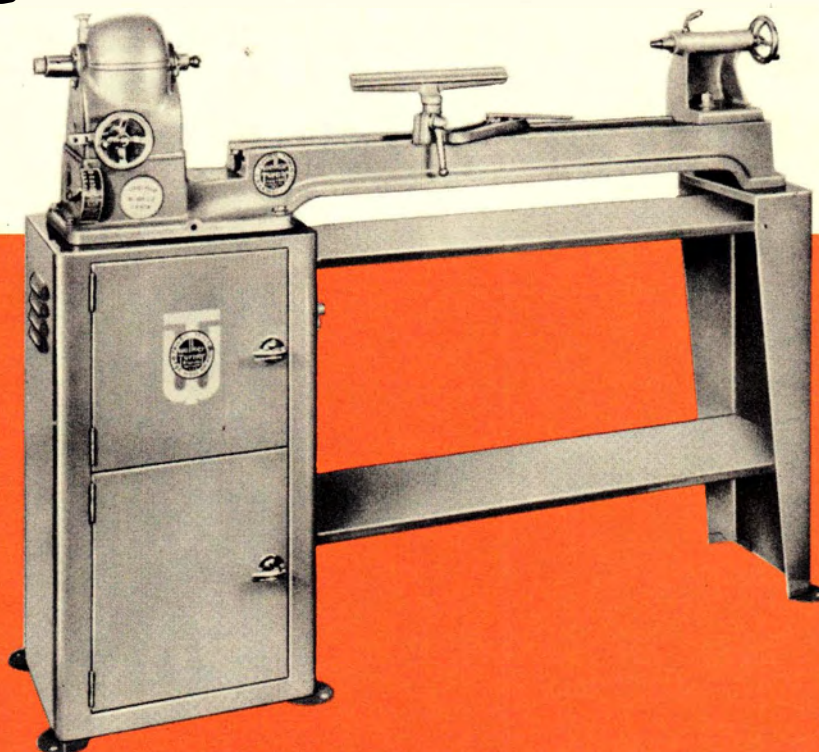
Here are the reasons why low cost Walker-Turner 12" Variable Speed Lathes are a time proven favorite in industry and furniture, woodworking, pattern and school shops everywhere.

MASSIVE CONSTRUCTION THROUGHOUT

Rugged, cast iron head and tail stock construction, big one-piece bed and husky, vibration-free, steel cabinet add up to extra strength where it counts. Double row, pre-loaded spindle bearings at the work end plus another row near the outboard spindle permit maximum thrust for heavy turning.

CONVENIENT VARIABLE SPEED DRIVE

Speed scale and large hand wheel make it easy to dial the exact speed you want *while the machine is running*. You obtain the right speed for every operation from 660 RPM to 3,550 RPM—as easily as dialing a radio!



SAFETY ENGINEERED THROUGHOUT

The massive head and easy-access cabinet provide full belt protection. Speed may be locked at any desired position to prevent incorrect speed adjustment by trainees and students. A cap covers the threaded portion of the outboard spindle when it is not in use. Convenient controls mean less operator fatigue . . . increased safety.

SPECIFICATIONS

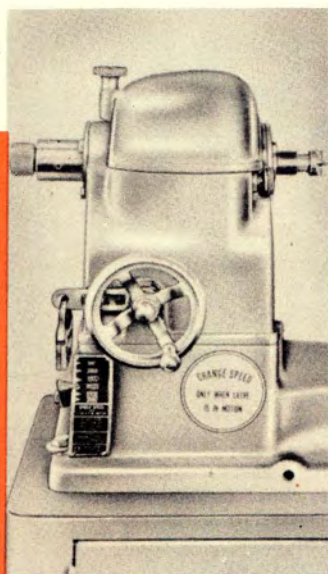
Swing over bed	12"
Swing over bed gap	15½" dia., 4" thick stock
Distance between centers	38"
Variable speed drive	660 RPM to 3550 RPM
Spindle diameter	1" — 12 Thread
Spindle hole	5/8"

Head Stock and Tail Stock Spindle Tapers
No. 2 M.T.

OVERALL DIMENSIONS

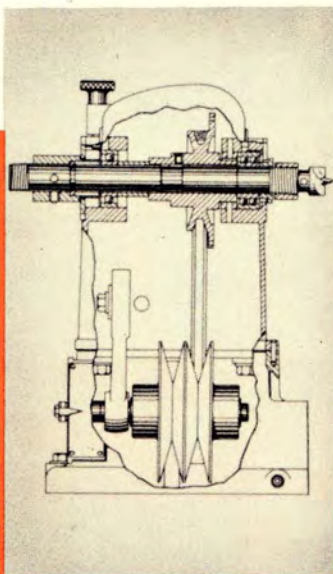
Height	47"
Width	14½"
Length	60"

You Dial The Exact Speed For Every Operation with a **BIG CAPACITY** **WALKER-TURNER 12" VARIABLE SPEED LATHE**



UP-FRONT SPEED CONTROLS

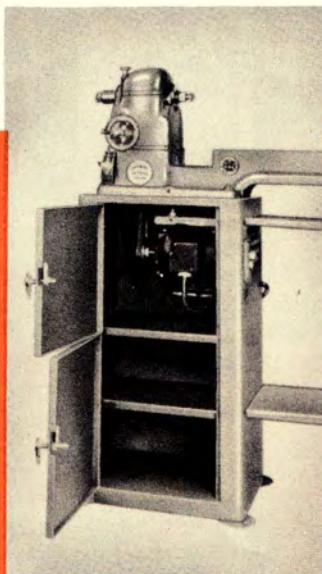
Variable Speed hand wheel is conveniently located on the massive head stock for quick dialing of any speed from 660 RPM to 3550 RPM . . . easy-to-read scale shows the speed at a glance . . . wide speed range enables you to select the right speed for every operation. Speed control may be locked at any speed to eliminate possibility of novice operators making incorrect speed adjustments.



PRECISION ENGINEERED CONSTRUCTION

Double row, pre-loaded ball bearings at the work end plus single row bearings on the outboard spindle absorb work thrust . . . spindle drive is applied between the inboard and outboard bearings virtually eliminating spindle whip and providing better distribution of belt load.

Spring loaded indexing plunger near inboard spindle permits quick engaging of any of 48 indexing holes to securely lock spindle.



CONVENIENT BASE CABINET

Vibration-free, all steel base cabinet has upper door for access to rigid, securely mounted motor . . . lower door opens to convenient tool storage area with shelf. Cabinet keeps harmful dust, chips and shavings off motor and belts.

Note the safety designed "on-off" push button switch (available as an accessory) conveniently located on side of cabinet.



MASSIVE ONE PIECE BED

Entire bed is carefully cast in one piece . . . bed ways are machined on the top, sides and bottom for accuracy and effortless movement of tail stock and tool support. Big gap permits turning or spinning of large stock up to 15½" diameter by 4" thick!



STURDY TAILSTOCK

Tailstock is carefully machined for precision fit between bed ways. Husky No. 2 Morse Taper ram has big 2¾" travel . . . quickly locks in any position. Centers eject automatically when ram is retracted.

catalog listing

Variable Speed Lathe including No. 51A113 base, No. 51C14 head stock spur center, No. 51C15 tailstock cup center, No. 51C5 tool support, No. 51-58 6" tool rest, No. 51-57 12" tool rest, 2 No. 351-4 V-belts, No. 341C26 2" motor pulley and wrench. Without motor 165 lbs. **No. 5122**

½ HP, single phase, 115/230 V, 60 cy, 1725 RPM motor. **No. 9122**

½ HP, three phase, 220/440 V, 60 cy, 1725 RPM motor. **No. 9322**

10' three cord and polarized plug 115 V, for single phase only. **No. 396C89**

On-off toggle switch for single phase only.

No. 395C21

On-off toggle switch for three phase. **No. 395C22**

Push Button Switch, 6 wire cord, for single or three phase. **No. 395C42**

See Page 41 for a complete list of Walker-Turner Lathe Accessories.

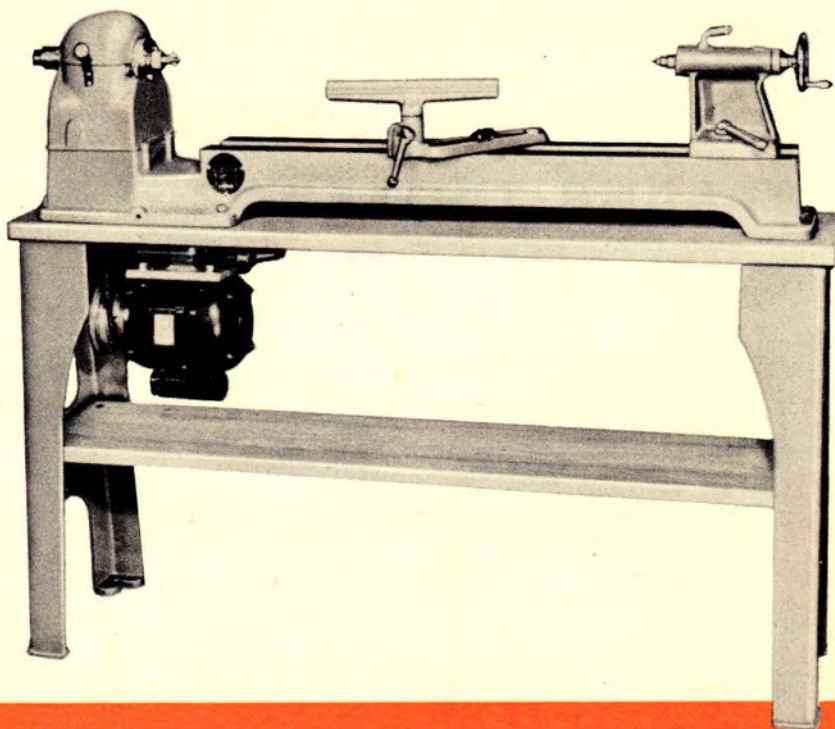
WALKER TURNER

12" FOUR SPEED LATHE

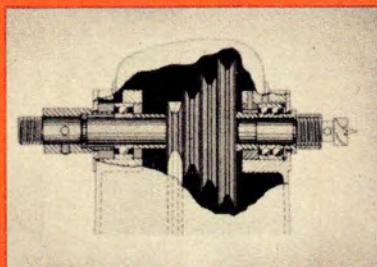
This precision built "Light - Heavyweight" gives you big capacity and extra ruggedness at unusually low cost. You can turn wood and light metal or spin metal up to 12" in diameter over the bed . . . up to 15½" diameter by 4" thick over the big gap!

Its versatility makes it an excellent lathe for furniture, pattern, woodworking and school shops, *and the home workshop.*

Walker-Turner Four Speed Lathes may be mounted on either the sturdy No. 390C30 bench or the No. 51A113 Base Cabinet that keeps the motor completely dust free and provides extra shelves for tool storage.



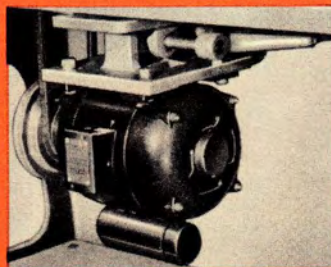
COMPARE FEATURES!



SUPERIOR SPINDLE CONSTRUCTION

Three rows of pre-loaded ball bearings—two at the work end and one near the outboard end—provide the ruggedness required for heavy turning. Steady power transmission is supplied between the inboard and outboard bearings. Head is hinged for easy access to belts for speed changes.

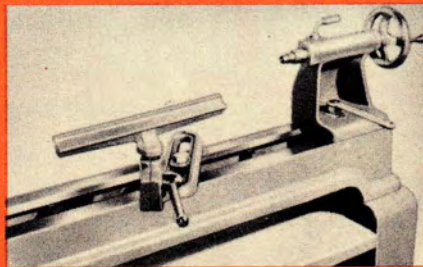
COMPARE VALUES!



QUICK SPEED ADJUSTMENT

Cam-actuated motor mount releases instantly for quick selection of speeds—choice of 700, 1150, 2200, or 4200 RPM—an ample speed range for versatile operation. Cam mechanism returns the base to position . . . always provides the proper belt tension.

COMPARE PRICE!



RUGGED CONSTRUCTION THROUGHOUT

Bed has machined ways on top, side and bottom . . . tail stock is precision machined for smooth travel on bed ways . . . has No. 2 Morse Taper ram with 2¾" travel. Easily adjusted tool support, and 6" and 12" tool rests are standard equipment.

SPECIFICATIONS

Swing over bed.....12"
Swing over gap.....15½" dia., 4" thick stock
Distance between centers.....38"
Spindle speeds.....700, 1150, 2200, 4200 RPM
Spindle diameter.....1" — 12 thread
Spindle hole.....5/8"

Head Stock and tail stock spindle tapers.....No. 2 M.T.

OVERALL DIMENSIONS

Height.....47¼"
Width.....14"
Length.....58½"

catalog listing

Four Speed Lathe including No. 351-41 V-belt, No. 51C14 head stock spur center, No. 51C15 tail stock cup center, No. 51C5 tool support, No. 51-58 6" tool rest, No. 51-57 12" tool rest, No. 344A-23 motor pulley, motor bracket and wrench. Without motor and base. 160 lbs. No. 5110

Lathe Bench, cast iron legs, with wood top and shelf. No. 390C30

Lathe Base Cabinet, all steel, provides complete, dust-free motor enclosure, has two doors, shelves, tool storage area. No. 51A113

½ HP, single phase, 115/230 V, 60 cy, 1725 RPM motor. No. 9122

½ HP, three phase, 220/440 V, 60 cy, 1725 RPM motor. No. 9322

10' three cord and polarized plug 115 V, for single phase only. No. 396C89

On-off toggle switch for single phase only. No. 395C21

On-off toggle switch for three phase. No. 395C22

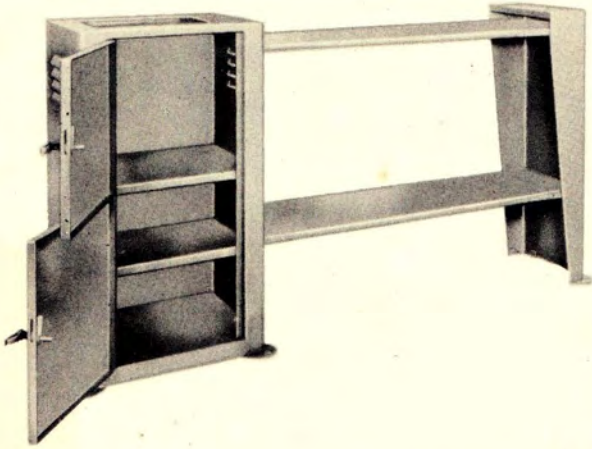
Push Button Switch, 6 wire cord, for single or three phase. No. 395C42



WALKER-TURNER LATHE ACCESSORIES

All accessories, except lathe bench, may be used with either the Walker-Turner Variable Speed or Four Speed Lathe.

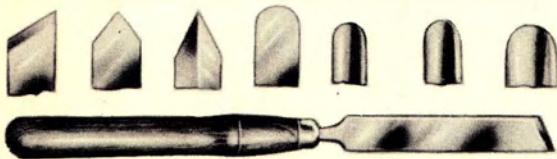
LATHE BASES



All Steel Base Cabinet, same as furnished with the Variable Speed Lathe, may be used with the Four Speed Lathe for complete, dust-free motor enclosure. Has doors for access to motor and tool storage. **No. 51A113**

Lathe Bench, with cast iron legs, wood shelf and wood top surface for mounting Four Speed Lathe only. **No. 390C30**

CHISELS

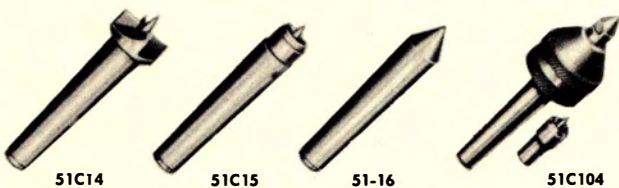


Set of Eight Wood Turning Chisels, made of selected chisel steel, carefully ground to shape, will hold their edges. Includes 1 each $\frac{3}{4}$ ", $\frac{1}{2}$ " and $\frac{1}{4}$ " gouge, $\frac{1}{2}$ " round nose, $\frac{1}{2}$ " parting tool, $\frac{3}{4}$ " and $\frac{1}{2}$ " skew chisel and $\frac{1}{2}$ " spear point. **No. 486C1**

TOOL RESTS

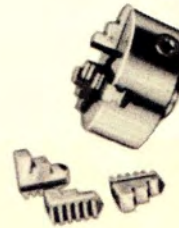
12" Tool Rest, same as furnished with lathes. **No. 51-57**
6" Tool Rest, same as furnished with lathes. **No. 51-58**
Right Angle Tool Rest, especially useful for face plate turning. **No. 51C88**
Tool Support, same as furnished with lathes. **No. 51C5**

CENTERS

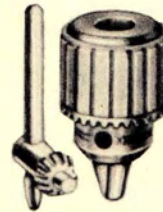


Spur Center, No. 2 Morse Taper, with replaceable center point. **No. 51C14**
Cup Center, No. 2 Morse Taper, with replaceable center point. **No. 51C15**
Center Point, use for replacement on No. 51C14 and No. 51C15. **No. 51-65**
60 Degree center, No. 2 Morse Taper, for use in head or tail stock spindles. **No. 51-16**
Ball Bearing Tail Stock Center, helpful in wood turning and metal spinning, eliminates friction and will not wear into turning. Should also be used in conjunction with No. 280-8 Arbor. **No. 51C104**

CHUCKS AND ARBORS



4" Universal 3 Jaw Chuck, self centering, holds round or hexagonal work. Complete with two sets of jaws for inside and outside chucking. **No. 281-12-1**

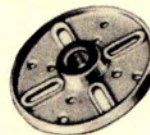


$\frac{1}{2}$ " Key Chuck, with key, fits either head or tail stock spindle for drilling and similar operations. **No. 281-7**

Chuck Arbor, used to hold No. 281-7 Key Chuck in either head or tail stock spindles. **No. 280-7**

Threaded Arbor, for holding accessories such as cotton buffs, grinding wheels, wire wheels and sanding drums in the head stock spindle. Should be used in conjunction with No. 51C104 tail stock center. Complete with flanged washer and nut. **No. 280-8**

FACE PLATES



6" Face Plate with left hand thread, for use on left hand or outboard spindle. **No. 51C7**

6" Face Plate with right hand thread, for use on right hand or inboard spindle. **No. 51C8**



3" Face Plate, with spurs pointed and wood screw centers for holding large diameters between centers. Spurs may be set at two different distances from center. **No. 51C9**

STEADY REST



Steady Rest, for supporting long or slender work. Prevents whipping. Clamps to bed between head and tailstock. **No. 51C64**

W T

ALKER TURNER

SPINDLE SHAPER

Gives You All These Important Features

EASY OPERATION — Independently adjustable guide fences have large, easy-to-use handwheels and locks for quick accurate adjustment—can be readily removed if desired. Spindle height, reversing and locking controls are all conveniently located.

HUSKY CONSTRUCTION — massive spindle is enclosed in a heavy cast iron housing . . . two widely-spaced spindle bearings eliminate spindle whip . . . large 22" x 33" table provides plenty of work area.

EXTRA VERSATILITY — choice of 7,000 and 11,000 RPM operating speeds and 1 or 1½ HP motor . . . three quickly interchanged spindle adapters—½", ⅝" and ¾" diameter—are furnished with each unit.

BUILT-FOR-SAFETY THROUGHOUT — extra-safe combination guard and ring hold-down assembly is standard equipment . . . motor and motor pulley are completely guarded.



SPECIFICATIONS

Spindle Speeds	7,000 and 11,000 RPM
Spindle Travel	3"
Height Overall	44"
Table Size	22" x 33"
Diameter Spindles Furnished	½", ⅝", ¾"

CAPACITY

Under nut	2¾"
Shaper Cutters	3½" dia. max.
(From 2½" to 3½" use only ¾" spindle)	
Dado Heads	6" dia. max.

catalog listing

Spindle Shaper, with No. 342A1 Motor Pulley, No. 351-39-1 V-belt, No. 280C1 ½" Spindle, No. 280C2 ⅝" Spindle, No. 280C3 ¾" Spindle, No. 395A53 Reversing Switch Assembly, No. 61A3 Ring Hold-Down and Guard Assembly, Nos. 61A4 and 61A5 Right and Left Adjustable Carriage Bracket Assembly, Two Tapered Starting

Pins, Two Wrenches, Ejector Pin, less motor.

No. 6111

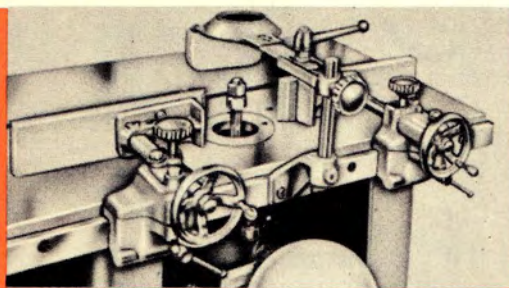
Motor, 1 HP, 110/220V, 60 cy., single phase motor.

No. 9143

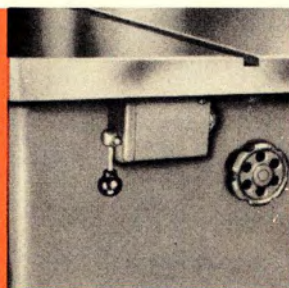
Motor, 1½ HP, 220/440V, 60 cy., three phase motor.

No. 9353

here's why a WALKER-TURNER SPINDLE SHAPER gives you more dollar-for-dollar value



Twin, easy-to-use handwheels, locks and alignment scales provide quick adjustment of the independently controlled guide fences . . . full lateral movement of guide fences is also readily made. Safety engineered ring hold-down assembly easily adjusts to the work.



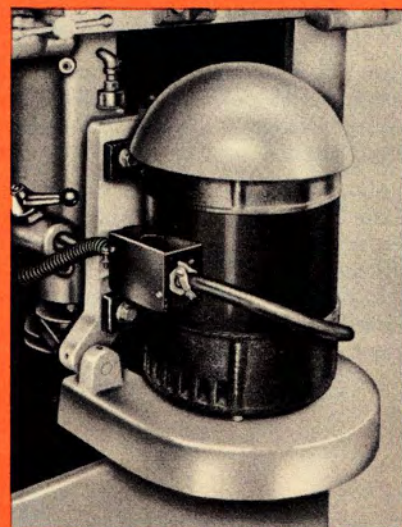
Flip the convenient built-in reversing switch for either clockwise or counter-clockwise spindle rotation. Hand wheel is also provided for positive locking of spindle.



Three spindle adapters — $\frac{1}{2}$ " , $\frac{5}{8}$ " and $\frac{3}{4}$ " diameter, two double spindle wrenches, two starting pins (starting pin holes are conveniently located in table) and an ejector pin are standard equipment.



Up-front handwheel provides quick accurate spindle height adjustment . . . graduated dial shows amount of movement.



Motor and motor pulley are fully enclosed for extra safe operation. Note the massive spindle and spindle housing, and the large handle for rapid speed adjustment.

ACCESSORIES



MITER GAUGE

Self indexing, can be accurately set in any position . . . has automatic stops at 30°, 45°, 60°, 75° degrees. Complete Miter Gauge with adjustable stops and tongue to fit $\frac{3}{4}$ " x $\frac{3}{8}$ " slot.

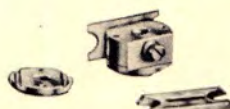
No. 391C90



DEPTH COLLARS

Use to control depth of cut, $\frac{1}{2}$ " thick, $1\frac{1}{2}$ ", $1\frac{3}{4}$ ", 2", $2\frac{1}{4}$ ", $2\frac{1}{2}$ " dia. sizes. Set of five.

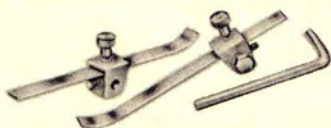
No. 240C1



MOLDING HEAD

Beveled blade edges fit slot in head . . . blades are locked in position by the spindle nut and blade cap screws. Use with Nos. 481-3, 481-5, 481-7 and 481-8 knives. Molding Head (less knives)

No. 481C1



SPRING HOLD DOWNS

Hold long narrow work firmly against fence and table . . . provide additional safety and aid production. Complete.

No. 61C8



SASH SET

Includes numbers 480-1, 480-2, 480-4, 480-5 cutters and No. 251-26 $\frac{3}{8}$ " spacer washer. Five piece set.

No. 480C1



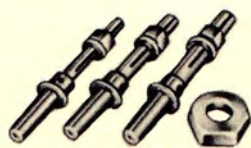
DADO HEAD

For smooth, clean groove, rabbet and dado cutting. Dado Head, $\frac{3}{4}$ " hole, 1-3/16" thick.

No. 470C13

Pair of flanged washers, $\frac{3}{4}$ " hole for use with dado head.

No. 243C14



SPINDLE ADAPTERS

Same as set of three furnished with spindle shaper (see illustration above). With additional adapters, cutters can be left on the adapters and the entire assembly removed when changing to another operation. This permits quick interchangeability of the adapters.

Spindle Adapter, $\frac{1}{2}$ " dia. with nut and washer.

No. 280C1

Spindle Adapter, $\frac{5}{8}$ " dia. with nut and washer.

No. 280C2

Spindle Adapter, $\frac{3}{4}$ " dia. with nut and washer.

No. 280C3

Lock nut for securing adapters to spindle.

No. 224-20

SHAPING CUTTERS

3 wing with $\frac{3}{4}$ " hole



480-51
 $\frac{1}{8}$ " Straight Face



480-52
 $\frac{1}{4}$ " Straight Face



480-53
 $\frac{1}{2}$ " Straight Face



480-55
1" Double Ogee



480-56
1" Round Nose



480-57
 $\frac{1}{4}$ " Bead



480-58
 $\frac{1}{4}$ " Cove



480-59
 $\frac{1}{2}$ " Cove



480-60
1" Ogee



480-61
1" Quarter Elliptic



480C20-21
Set of $\frac{1}{4}$ " Tongue Groove (1" overall)

SASH CUTTERS

$\frac{3}{4}$ " Hole

Cope and Tenon	Cat. No. 480-1
Rabbeting and Tenon	Cat. No. 480-2
Ovolo	Cat. No. 480-4
1" Rabbeting	Cat. No. 480-5

MOULDING CUTTERS

Two per set for use with

No. 481C1 Molding Head

Straight Face Knives	Cat. No. 481-3
Star Nosing Knives	Cat. No. 481-5
Radius Knives	Cat. No. 481-7
Tongue and Groove	Cat. No. 481-8

W T

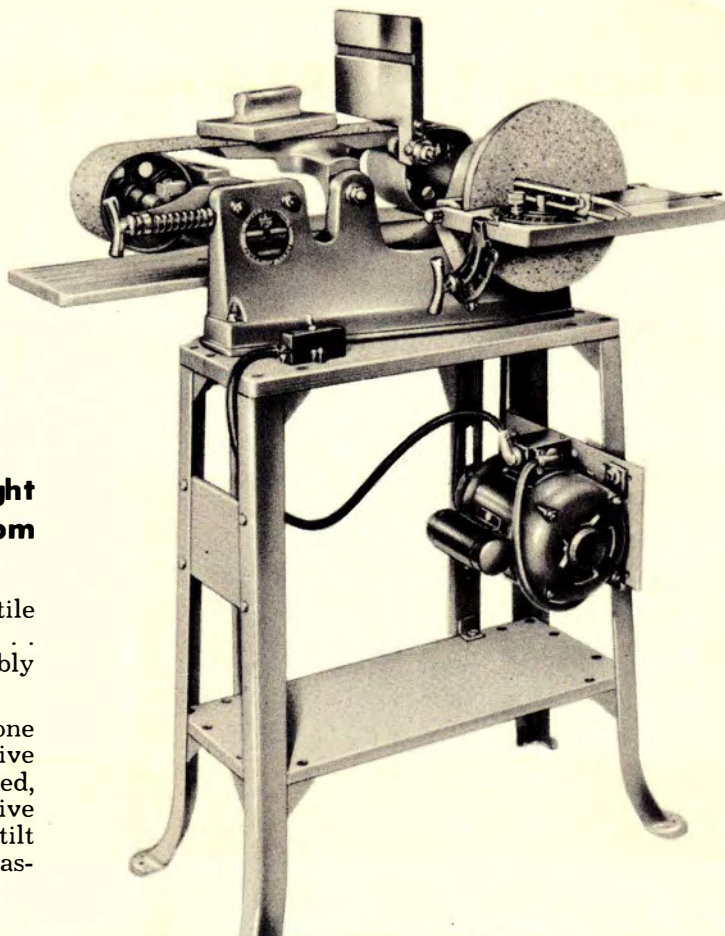
ALKER TURNER

BELT AND DISC SURFACER

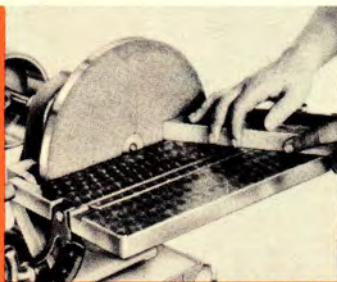
For quick accurate stroke or disc sanding, light metal polishing or for removing burrs from wood or light metal castings.

The Walker-Turner Belt and Disc Surfer is a versatile sanding and polishing machine ideal for pattern shops . . . cabinet shops . . . experimental departments . . . assembly departments . . . furniture manufacturers and schools.

Walker-Turner quality features include a massive, one piece frame accurately machined to accommodate the drive shaft bearings, a built-in V-belt guard, four dust-sealed, lubricated-for-life ball bearings that carry the abrasive belt pulleys, and two tilting tables with easy-to-read tilt scales. A fully adjustable, spring-loaded idler pulley assures proper belt alignment.

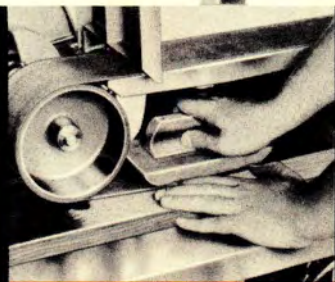


**DO ALL THESE
JOBS EASILY
AND QUICKLY**



DO PLAIN AND COMPOUND MITER DISC SANDING

Rugged table provides rigid support for sanding end grain or edges of small wood and non-ferrous metal pieces . . . miter gauge and convenient tilt scale assure angle accuracy.



DO STROKE SANDING OR POLISHING OF EXTRA LARGE PIECES

An adjustable surfacing shelf on the steel stand permits sanding or polishing of stock up to 14" thick by 12" wide and up to 5 feet and more in length!



DO ACCURATE 90° OR MITER SANDING ON BELT

The vertical table on the belt readily tilts up to 45° . . . miter gauge and tilt scale assure accurate compound miter sanding and polishing.

SPECIFICATIONS

DIMENSIONS:

Without Steel Stand.....Height 16", Length 29½"
Width 23½"
With Steel Stand.....Height 47¼", Length 32"
Width 26"

SPEEDS:

Disc660, 1280, 2350 RPM
Belt900, 1760, 3200 Ft. per Min.
Disc10" dia.

catalog listing

Surfacer including No. 343C3 motor pulley, with ¾" bore, No. 351-44 V-belt, stroking block, one 40 grit abrasive disc, one 60 grit aluminum oxide belt and No. 391C30 miter gauge. Less stand and motor. 98 lbs. No. 5510

Steel stand, 31" high x 21¾" wide x 32" long, 45 lbs. No. 390C1

½ HP, 1725 RPM, 115/230V, 60 cy, single phase motor. No. 9122

½ HP, 1725 RPM, 220/440V, 60 cy, 3 phase motor. No. 9322

Switch, on-off toggle, single phase. No. 395C21

Switch, on-off toggle, three phase. No. 395C22

10' three wire cord and polarized plug, single phase. No. 396C89

Disc Table Tilt.....45°
Belt52½" x 4" wide
Belt Support Table.....12" x 4¼" wide
Belt Table Tilt45°
Distance Between Belt Pulley Centers.....18½"
Steel Stand31" high x 21¾" wide x 32" long
Stroke Surfacing Shelf on stand.....30½" x 10½"
Stroke Surfacing Shelf has vertical travel to accommodate stock 14" thick.

ACCESSORIES

Belt, 4" x 52½", aluminum oxide, fabric backed, 36 grit. No. 466-1
Belt, 4" x 52½", aluminum oxide, fabric backed, 60 grit. No. 467-1
Belt, 4" x 52½", aluminum oxide, fabric backed, 120 grit. No. 469-1
Disc, 10" dia., 40 grit, pkg. of 6. No. 461-1
Disc, 10" dia., 60 grit, pkg. of 6. No. 462-1
Disc, 10" dia., 80 grit, pkg. of 6. No. 463-1
Disc Cement, 4 oz. can. No. 99P1-2
Miter gauge. No. 391C30

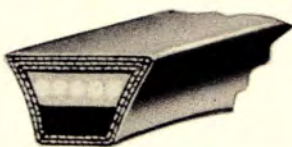
another product



WALKER-TURNER GENERAL ACCESSORIES

V-BELTS

These V-belts are designed for perfect contact with sides of V-groove and V-step pulleys to assure maximum power transmission. Cords are saturated with pure liquid rubber imbedded in special rubber stock that carries off heat.



Inside Circumference	No.	Inside Circumference	No.	Inside Circumference	No.
24 1/8"	350-1	29"	351-31	48"	351-50
31 1/8"	350-33	32"	351-34	49"	351-51
42 1/8"	350-44	37"	351-39-1	51"	351-53
28 3/8"	351-1	38"	351-40	58"	351-60
29 1/4"	351-2	39"	351-41	59"	351-61
27"	351-4	42"	351-44	60"	351-62
24"	351-26	44"	351-46	61"	352-64
26"	351-28	45"	351-47	30 1/4"	352-67
27"	351-29	46"	351-48	43"	353-45

Set of Three
Set of Three
Set of Three
Set of Four

14-7/16"
21-7/16"
43"
23"

350A16
350-17
353A45-3
351-5

PULLEYS



Include V-groove and V-step pulleys for use with V-belts listed above.

1/2" BORE PULLEYS		
No. of Steps or Grooves	Diameter in Inches	No.
1	2 1/2	341A32
4	5 1/2, 4 3/8, 3 3/8, 2 1/4	344A29
4	5, 3 3/8, 2 1/2, 1 3/4	344A30
3/8" BORE PULLEYS		
3	2 3/8	341C9
3	2 3/8	341C10
1	6 1/2	341A19
1	3	341C26
1	2 1/2	341A33
1	4	341-38
3	3 1/4, 2 1/2, 1 3/4	343C3
3	4, 3 1/4, 2 1/2	343A6
4	3 3/8, 3 1/4, 2 3/8, 2	344A8
4	5, 3 3/8, 2 1/2, 1 3/4	344C9
4	4 3/4, 4 1/4, 3 3/4, 3 1/4	344C10
4	3 1/4, 2 3/4, 2 1/4, 1 3/4	344A12
4	6 1/4, 5 1/8, 4 7/8, 3 3/8	344C16
4	5 1/2, 4 3/8, 3 3/8, 2 1/4	344A23
5	6 1/2, 5 1/2, 4 1/2, 3 1/2, 2 1/2	345C1
3/4" BORE PULLEYS		
3	2 3/8	341C11
1	4	341-25
1	2 1/2	341-33-1
3	7 1/8	341-52
1	3 3/4	341-53
2	8 1/2, 7 1/2	342A1
1	3	344A18
4	5 1/2, 4 3/8, 3 3/8, 2 1/4	344A24
4	5, 3 3/8, 2 1/2, 1 3/4	344A31
5	6 1/2, 5 1/2, 4 1/2, 3 1/2, 2 1/2	345C2
7/8" BORE PULLEY		
5	6 1/2, 5 1/2, 4 1/2, 3 1/2, 2 1/2	345C6
1" BORE PULLEYS		
4	3	341A43
5	6 1/2, 5 1/2, 4 1/2, 3 1/2, 2 1/2	345C5

SAW BLADES

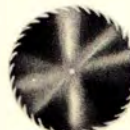
Check arbor size before ordering.

CROSS CUT BLADES



Blade Dia.	Arbor Hole	No.
8"	5/8"	410-32
10"	5/8"	410-52
10"	3/4"	410-53
12"	3/4"	410-63
12"	1"	410-65
14"	1"	410-75

RIP BLADES



Blade Dia.	Arbor Hole	No.
8"	5/8"	411-32
10"	5/8"	411-52
10"	3/4"	411-53
12"	3/4"	411-63
12"	1"	411-65
14"	1"	411-75

COMBINATION BLADES



Blade Dia.	Arbor Hole	No.
8"	5/8"	412-32
10"	5/8"	412-52
10"	3/4"	412-53
12"	3/4"	412-63
12"	1"	412-65
14"	1"	412-75

HOLLOW GROUND COMBINATION BLADES



Blade Dia.	Arbor Hole	No.
8"	5/8"	413-32
10"	5/8"	413-52
10"	3/4"	413-53
12"	3/4"	413-63
12"	1"	413-65
14"	1"	413-75

8 TOOTH CARBIDE BLADES



Blade Dia.	Arbor Hole	No.
8"	5/8"	415-32
10"	5/8"	415-52
10"	3/4"	415-53
12"	3/4"	415-63
12"	1"	415-65
14"	1"	415-75

DADO HEAD SETS



Cut from 1/8" to 13/16" in 1/16" variations. Set consists of two 1/8" outside blades and two 1/8", one 1/4" and one 1/16" inside chippers.

Blade Dia.	Arbor Hole	No.
6"	5/8"	470C12
6"	3/4"	470C13
8"	3/4"	470C33
8"	1"	470C35
10"	1"	470C55

ABRASIVE CUT-OFF WHEELS



12" Diameter, 3/4" Bore

These are general wheel recommendations only. Every material presents a slightly different cutting problem.

Classification	Group	Wheel
FERROUS METALS	High Carbon	440-63-1
	Low Carbon	440-63-2
	Tubing, Moulding	440-63-3
NON-FERROUS METALS	Solids	441-63
	Tubing	
	Shapes	
CERAMICS	Sheets	442-63-1
	Hard	
	Medium	
PLASTICS	Soft	442-63-3
	Medium	443-63

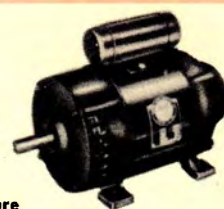
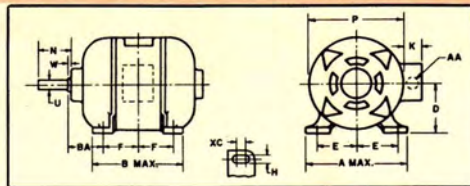
8" Diameter, 5/8" Bore

Abrasive Wheel, general purpose, for metal.
Abrasive Wheel, general purpose, for ceramics.

No. 440-32
No. 442-32

WALKER-TURNER MOTORS

Drawing typifies all Walker - Turner motors. Dimensions shown are correct for all motors even though appearances may vary.



SINGLE PHASE CAPACITOR MOTORS*—115/230 Volt, 60 Cycles, 40°C Continuous, Open Type Enclosure

NO.	HP	RPM	A MAX.	AA	B MAX.	BA	D	E	F	H	N-W	P	U	XC	WT.
9112	1/3	1725	6 3/4	1/2	6 1/8	1 13/16	3 3/8	2 3/8	2 11/32	7/16	1 3/8	6 13/16	3/8	7/16	27
9122	1/2	1725	6 3/4	1/2	6 1/8	1 13/16	3 3/8	2 3/8	2 19/32	7/16	1 3/8	6 13/16	3/8	7/16	31
9123	1/2	3450	6 3/4	1/2	6 1/8	2 21/32	3 1/2	2 21/32	2 3/8	7/16	1 3/8	6 3/4	3/8	7/16	42
9131	3/4	1140	7 1/8	1/2 & 3/4	7 1/4	4 3/8	4 1/2	2 7/8	2 7/8	1/2	2 1/4	8 1/8	3/4	—	78
9132	3/4	1725	6 3/4	1/2	6 1/8	2 21/32	3 1/2	2 21/32	2 3/8	7/16	2 1/8	6 3/4	3/8	7/16	68
9133	3/4	3450	6 3/4	1/2	6 1/8	2 21/32	3 1/2	2 21/32	2 3/8	7/16	2 1/8	6 3/4	3/8	7/16	68
9142	1	1725	8 5/8	1/2 & 3/4	8 1/8	3 1/8	4 1/4	3 1/4	3 1/4	1/2	2 1/4	8 1/4	3/4	1 1/16	68
9143	1	3450	6 3/4	1/2	7 1/8	2 21/32	3 1/2	2 21/32	2 7/8	7/16	2 1/8	6 3/4	3/8	7/16	48
9143-4	1	3450	6 3/4	1/2	7 1/8	2 21/32	3 1/2	2 21/32	2 7/8	7/16	2 1/8	6 3/4	3/8	7/16	50
9152	1 1/2	1725	10	1/2 & 3/4	7 7/8	3 1/8	5	4	3 1/4	1 1/2	2 1/4	8 1/8	3/4	—	80

*No cord sets or switches supplied unless noted. All single phase motors are capacitor start except as noted.

†Supplied with magnetic overload and control switch with cord between motor and switch.

‡Capacitor start and run single phase motors.

THREE PHASE MOTORS—208-220/440 Volt, 40°C Continuous*, Open Type Enclosure

NO.	HP	CYCLES	RPM	A MAX.	AA	B MAX.	BA	D	E	F	H	N-W	P	U	XC	WT.
9312	1/3	50/60	1725/1425	6 3/4	1/2	5 13/16	1 13/16	3 3/8	2 3/8	2 7/32	7/16	1 3/8	6 13/16	3/8	7/16	23
9321	1/2	60	1140	6 3/4	1/2	7 1/8	1 13/16	3 3/8	2 3/8	2 27/32	7/16	1 3/8	6 13/16	3/8	7/16	30
9322	1/2	50/60	1725/1425	6 3/4	1/2	6 1/8	1 13/16	3 3/8	2 3/8	2 19/32	7/16	1 3/8	6 13/16	3/8	7/16	28
9323	1/2	50/60	3450/2850	6 3/4	1/2	6 1/8	2 21/32	3 1/2	2 21/32	2 3/8	7/16	1 3/8	6 3/4	3/8	7/16	35
9331	3/4	60	1140	7 1/8	1/2 & 3/4	7 1/4	4 3/8	4 1/2	2 7/8	2 7/8	1/2	2 1/4	8 1/8	3/4	—	65
9332	3/4	50/60	1725/1425	6 3/4	1/2	6 1/8	2 21/32	3 1/2	2 21/32	2 3/8	7/16	2 1/8	6 3/4	3/8	7/16	39
9333	3/4	50/60	3450/2850	6 3/4	1/2	6 1/8	2 21/32	3 1/2	2 21/32	2 3/8	7/16	2 1/8	6 3/4	3/8	7/16	39
9341	1	60	1140	8 5/8	1/2 & 3/4	8 1/8	3 1/8	4 1/4	3 1/4	3 1/4	1/2	2 1/4	8 1/4	3/4	1 1/16	68
9342	1	50/60	1725/1425	8 5/8	3/4	8 1/8	3 1/8	4 1/4	3 1/4	3 1/4	1/2	2 1/4	8 1/4	3/4	1 1/16	68
9343	1	60	3450	6 3/4	1/2	7 1/8	2 21/32	3 1/2	2 21/32	2 7/8	7/16	2 1/8	6 3/4	3/8	7/16	43
*9353	1 1/2	60	3450	6 3/4	1/2	7 1/8	2 21/32	3 1/2	2 21/32	2 7/8	7/16	2 1/8	6 3/4	3/8	7/16	43 1/2

*No. 9353 Motor is a 50° C Continuous Motor.

NOTE—Motors recommended for woodworking operations (see individual machine listings) are supplied with completely enclosed cut-out switches and high velocity fans.

MOTOR REPLACEMENT UNITS

Surface Grinder—consists of single phase motor, 2 step motor pulley 5-15/32" in diameter and No. 351-40 V-belt balanced together.

No. 9122-A-3101

Surface Grinder—consists of 3-phase motor, 2-step motor pulley 5-15/32" in diameter and No. 351-40 V-belt balanced together.

No. 9322-A-6401

14" Tilting Arbor Saw—3 HP, 220V, 60 cy, 3450 RPM, single phase motor.

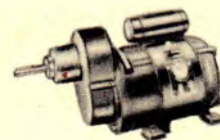
No. 9173-2101

14" Tilting Arbor Saw—5 HP, 220/440V, 60 cy, 3450 RPM, 3-phase motor.

No. 9383-6102

Cut-Off Machine and Cut-Off Saw—3 HP, 220 or 440V (specify voltage), 60 cy, 1725 RPM, 3-phase motor.

No. 9972-6501



OFF-SET DRIVE MOTORS

1/2 HP, 110-220 V, 60 cy, 716 RPM, for single phase. Ship. Wgt. 66.

No. 9227

3/4 HP, 220 V, 60 cy, 716 RPM, for 3-phase. Ship. Wt. 70.

No. 9437

MOTOR SWITCHES AND ACCESSORIES

PUSH BUTTON SWITCH KITS

Push Button Switch, complete with cord and cover, for single or 3-phase operation.

No. 395C3

Push Button Switch, complete with 3 wire cord, switch box and cover, for single or 3-phase.

No. 395C64

Push Button Switch, complete with 6 wire assembly, switch box, box connector and cover, for single or 3-phase.

No. 395C42



TOGGLE SWITCHES

On-off Toggle Switch, complete with cord. (Insert fits through cover plate supplied with standard 4 1/4" Travel, 15" Drill Presses). For single phase only.

No. 395C20

On-off Toggle Switch, complete with cord and box, for single phase only.

No. 395C21



On-off Toggle Switch, complete with cord. (Insert fits through cover plate supplied with standard model 4 1/4" Travel, 15" Drill Presses). For 3-phase only.

No. 395C25

On-off Toggle Switch, includes switch box, cover and BX connectors, for single or 3-phase.

No. 395C22

Safety Type On-off Toggle Switch, complete with wire assembly and box connector for single or 3-phase.

No. 395C42-1

On-off Toggle Switch with cord and magnetic overload (same as supplied with 10" Tilting Arbor Saw single phase motor).

No. 395C6-1

On-off Toggle Switch, complete with 3 wire cord and plug for single phase.

No. 395C72

MANUAL STARTER

Starter, Manual, size 0, across-the-line type, for 3-phase. Specify motor and voltage. NEMA type 1 enclosure, rated 2 HP, 208 to 550 V, AC.

No. 395-5915-10

MAGNETIC STARTERS

Starter, Magnetic, size 0, across-the-line type for 60 cy, 440 V only, NEMA type 1 enclosure, rated 2 HP with start, stop and reset buttons. (Recommended for No. 7323-6401 Surface

Grinder). Specify motor when ordering.

No. 395-5916-10

Starter, Magnetic, size 0, across-the-line type, for 60 cy, 208-220 V only, NEMA type 1 enclosure, rated 2 HP, with start, stop and reset buttons. Specify motor when ordering. (Recommended for No. 7323-6401 Surface Grinder).

No. 395-5917-10

CORD AND PLUG SET

10 foot, #14-3 Conductor Cord and polarized, 3 prong, 115 V, grounding plug, for single phase only.

No. 396C89

LAMP ATTACHMENTS

Lamp Attachment for use with band saws, drill presses and other machines. Readily swivels to put the light right where it is needed. Uses 25 watt bulb. Complete with switch.

No. 395C38

Lamp Attachment for use with scroll saws and other machines. Has swivel adjustment.

No. 45C4

MOTOR MOUNTING RAILS
Pair of motor mounting rails complete with 4 bolts, nuts and washer for motor.

No. 399C23



increase production . . . lower costs
in your operation with

WALKER-TURNER

"LIGHT-HEAVYWEIGHT" MACHINE TOOLS



MANUFACTURERS



METAL AND WOODWORKING SHOPS



BUILDERS

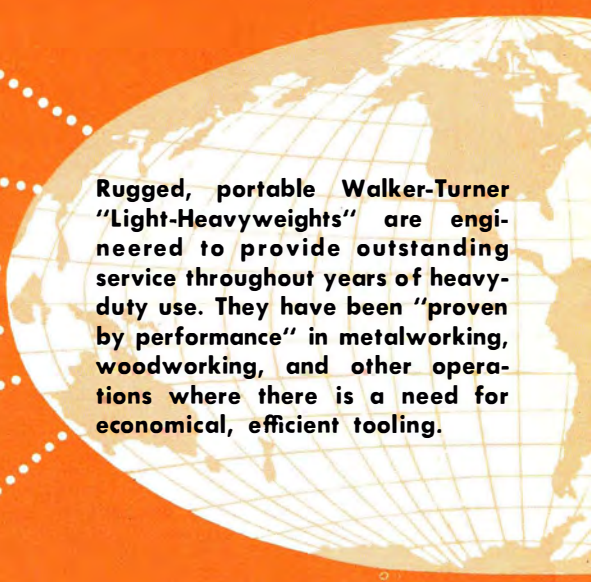


LUMBER YARDS



SCHOOLS

HOME WORKSHOPS



Rugged, portable Walker-Turner "Light-Heavyweights" are engineered to provide outstanding service throughout years of heavy-duty use. They have been "proven by performance" in metalworking, woodworking, and other operations where there is a need for economical, efficient tooling.

Your Walker-Turner Franchised Dealers will be pleased to demonstrate Walker-Turner Machine Tools for you. Visit him today and get the complete story on how versatile, portable "Light-Heavyweights" can aid you in your operation.



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WALKER-TURNER DIVISION
ROCKWELL MANUFACTURING COMPANY

PITTSBURGH 8, PENNSYLVANIA



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